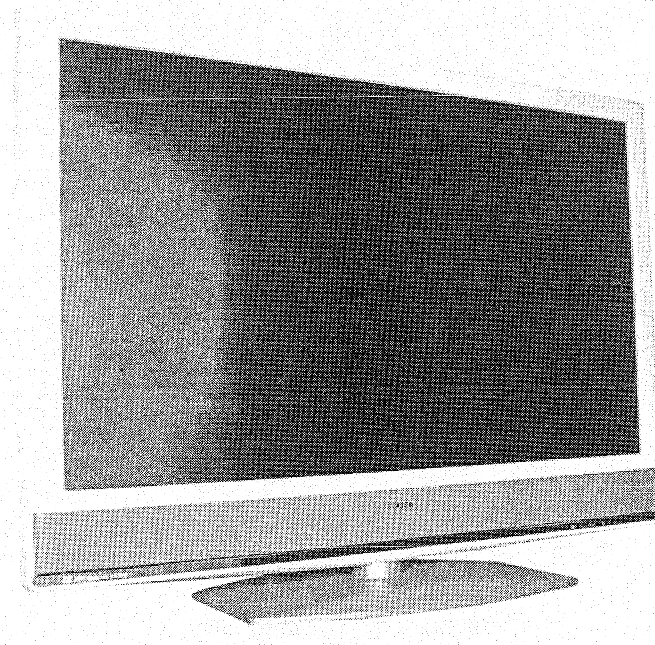
Self Diagnosis
Supported model

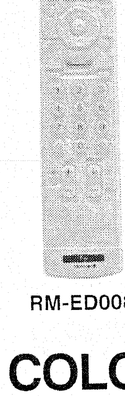
SERVICE MANUAL

WAX2F CHASSIS

MODEL	COMMANDER	DEST	MODEL	COMMANDER	DEST
KDL-40W2000	RM-ED008	AEP	**KDL-40W2000**	RM-ED008	UK
KDL-46W2000	RM-ED008	AEP	**KDL-46W2000**	RM-ED008	UK



KDL-40W2000 / KDL-46W2000



RM-ED008

FLAT PANEL COLOR TV

SONY®

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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

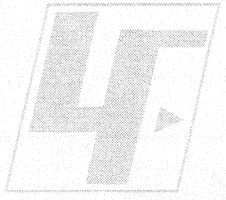
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

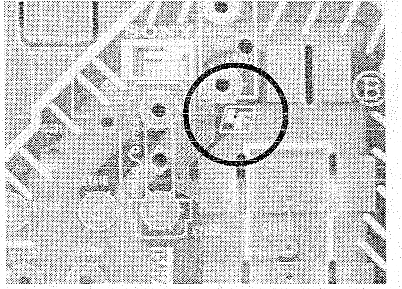
CAUTION

Lead Free Soldered Boards

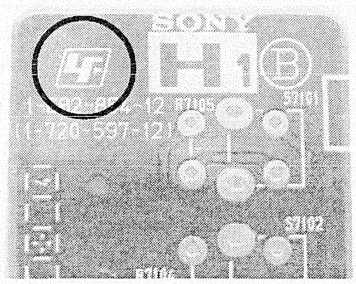
The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



example 1



example 2



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to *http://www.sony-training.com*

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
E	B/G/H, D/K, I, L,DVB-T	GERMAN/NICAM Stereo	VHF : E02-E12 UHF : E21-E69 CATV : S01-S20 HYPER : S21-S41 D/K : R1-R12, R21-R69 L : F2-F10, B-Q, F21-F69 I : UHF B21-B69	PAL, SECAM NTSC 3.58/4.43 (VIDEO ONLY) MPEG-2 MP@ML
U	I, DVB-T	NICAM Stereo	UHF : B21-B69	PAL, SECAM NTSC 3.58/4.43 (VIDEO ONLY) MPEG-2 MP@ML

Projected Picture Size	LCD(Liquid Crystal Display) Panel Approx 101.6cm (KDL-40W2000) Approx 116.8cm (KDL-46W2000).
Input/Output Terminals [REAR]	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.
2: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of Video and Audio signals (Selectable). SmartLink interface.
Phono Jacks	Output Connectors variable for Audio Signals.
HDMI Inputs	HDMI Connectors.
PC Input	15 Pin D-Sub Connector.
CAM	Conditional Access Module
Input/Output Terminals [SIDE]	
Headphone jack	Stereo mini jack
Audio input	Phono jacks
Video input	Phono jack
S Video input	4 pin mini DIN

Sound Output	
Right and Left speaker Sub-woofer	2 x 10W (RMS)
General Specifications	
Power Requirements	220 - 240V
Power Consumption/ Standby	Approx 185W/0.3W (KDL-40W2000) Approx 225W/0.3W (KDL-46W2000)
Dimensions	Approx 988x715x266mm (KDL-40W2000 with stand) Approx 988x665x105mm (KDL-40W2000 without stand) Approx 1120x805x334mm (KDL-46W2000 with stand) Approx 1120x755x118mm (KDL-46W2000 without stand)
Weight	Approx 27.5kg (KDL-40W2000 with stand) Approx 23.0kg (KDL-40W2000 without stand) Approx 36.0kg (KDL-46W2000 with stand) Approx 30.0kg (KDL-46W2000 without stand)
Supplied Accessories	RM-ED008 Remote Commander (1) IEC designated R06 battery (2) Mains Lead (1) Coaxial Lead (1) Cable Holder (1) Support Belt (1) and Screws (2) Stand (1) and Screws (4)
Other Features	Wide viewing angle LCD Panel, DVB-T Tuner, Live colour creation, Highly integrated system-on-a-chip (Trident), HDMI input, PC input.
Remote control system : Infrared control	
Power requirements	3V dc 2 batteries IEC designation R06 (size AA)

Design and specifications are subject to change without notice.

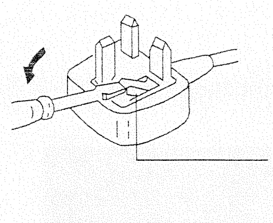
Model Name Item	KDL-40W2000 KDL-46W2000 (AEP)	KDL-40W2000 KDL-46W2000 (UK)
PAP	OFF	OFF
PAT	OFF	OFF
RGB Priority	ON	ON
Sub Woofer	OFF	OFF
Scart 1	ON	ON
Scart 2	ON	ON
Front in (6)	ON	ON
Projector	OFF	OFF
Norm B/G	ON	OFF
Norm I	ON	ON
Norm D/K	ON	OFF
Norm AUS	OFF	OFF
Norm L	ON	OFF
Norm SAT	OFF	OFF
Norm M	OFF	OFF
Teletext	ON	ON
Nicam Stereo	ON	ON

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **10 AMP** rating. Should the fuse need to be replaced, use a **10 AMP FUSE** approved by ASTA to **BS 1362**, ie one that carries the ASTA mark.

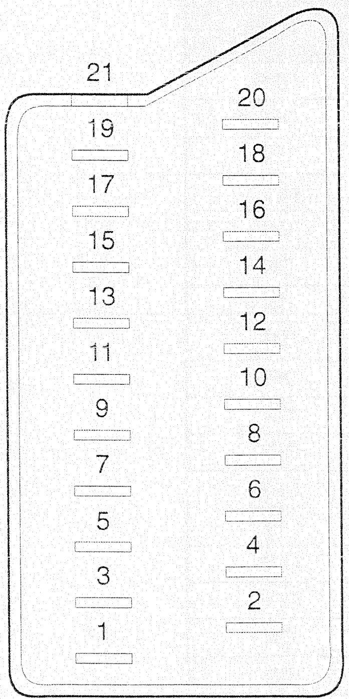
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with a **10 AMP FUSE**, otherwise the circuit should be protected by a **10 AMP FUSE** at the distribution board.



How to replace the fuse.
Open the fuse compartment with a screwdriver blade and replace the fuse.

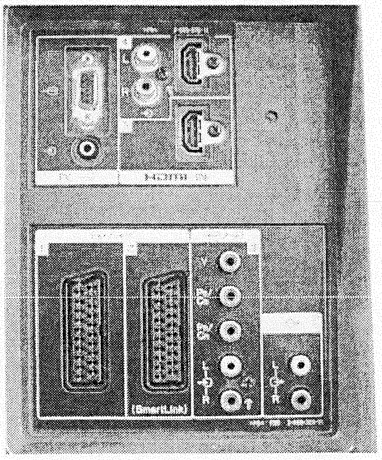
21 pin connector

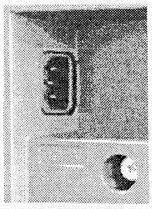


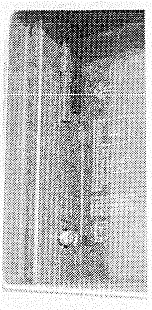
Pin No	1	2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	○	○	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	Ground (green)	
10	●	○	AVlink	
11	○	○	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	●	●	Open	
13	○	○	Ground (red)	
14	○	○	Ground (blanking)	
15	○	○	Red input	0.7 +/- 3dB, 75 ohms, positive
	-	-	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	○	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	○	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	-	-	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

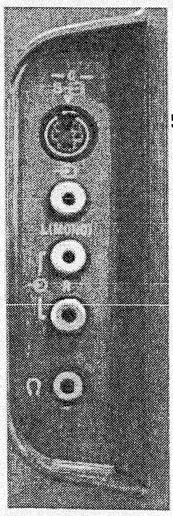
Rear Connection Panel







Side Connection Panel

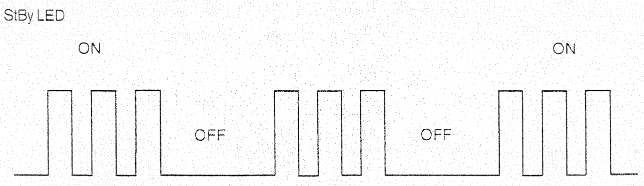


S Video socket pin configuration		
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.

WAX2F SELF DIAGNOSTIC SOFTWARE

The identification of errors within the WAX2F chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted).

Flash Timing Example : e.g. error number 3



LED Error Code

LED ERROR CODE	ERROR DESCRIPTION
1	UNREG33V Supply Voltage Trouble (DCALERT3)
2	VD1.8, DE5V/6V Voltage Trouble (DCALERT2)
3	UNREG10.5V, PANEL5V Voltage Trouble (DCALERT1)
4	Backlight Trouble
5	Main Supply Voltage Trouble
6	Speaker Applied Voltage Trouble
7	Monitor an Increase in Inside-Temperature (esp. on the panel side)
8	Trident IC Trouble
9	DTT Trouble (Communications / BS_CS_PROT)

SECTION 1 GENERAL

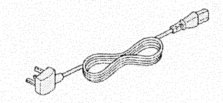
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

1: Checking the accessories

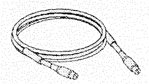
Remote RM-ED008 (1)

Size AA batteries (R6 type) (2)

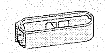
Mains lead (Type BF) (1)



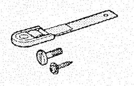
Coaxial cable (1)



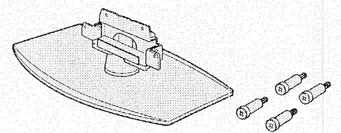
Cable holder (1)



Support belt (1) and screws (2)

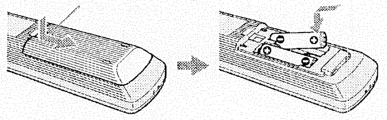


Stand (1) and screws (4)



To insert batteries into the remote

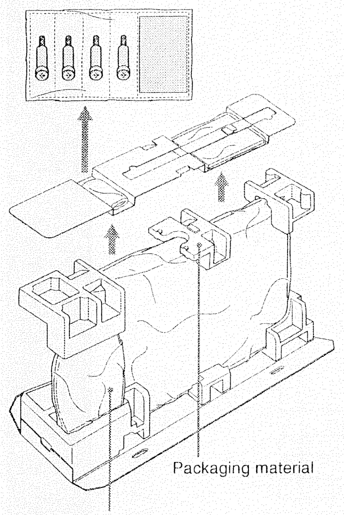
Push and slide to open.



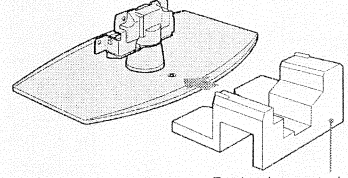
Notes
- Observe the correct polarity when inserting batteries.
- Do not use different types of batteries together or mix old and new batteries.
- Dispose of batteries in an environmentally friendly way. Certain regions may regulate disposal of the battery. Please consult your local authority.
- Handle the remote control with care. Do not drop or step on it, or spill liquid of any kind onto it.
- Do not place the remote control in a location near a heat source, or in a place subject to direct sunlight, or in a damp room.

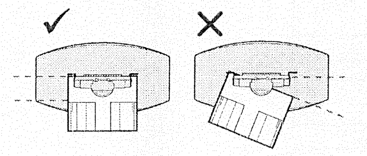
2: Attaching the stand

1

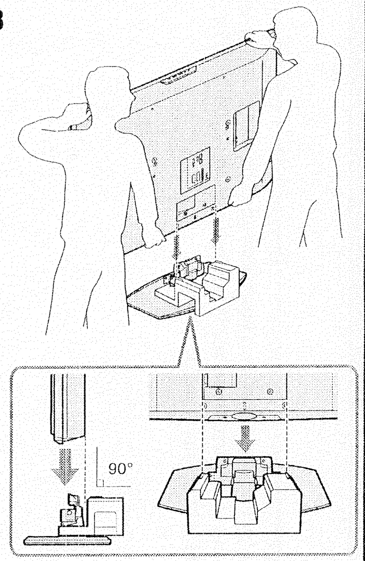


2

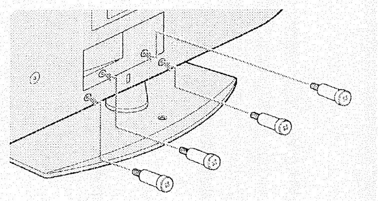




3



4



1 Take out the stand, screws, and packaging material to begin stand setup.

2 Set the packaging material as shown.

3 Place the TV directly to the stand as shown.

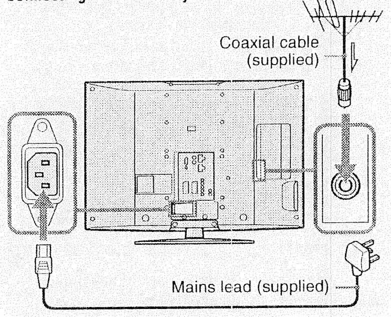
After placing the TV on the stand, remove the packaging material.

4 Fix the TV to the stand using the supplied screws.

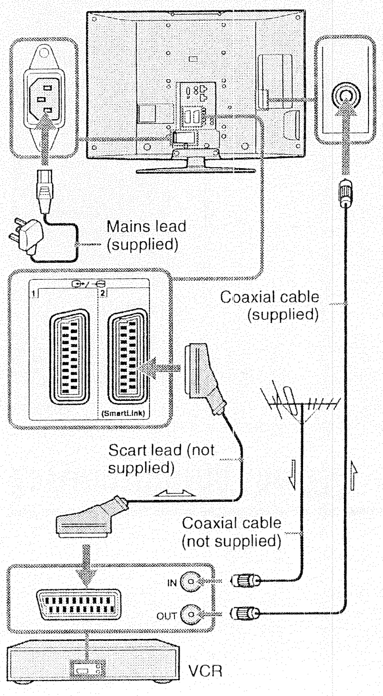
Notes
- This TV is very heavy, so two or more people should place the TV on the stand.
- If using an electric screwdriver, set the tightening torque at approximately 1.5 N·m (15 Kgf·cm).

3: Connecting an aerial/ VCR

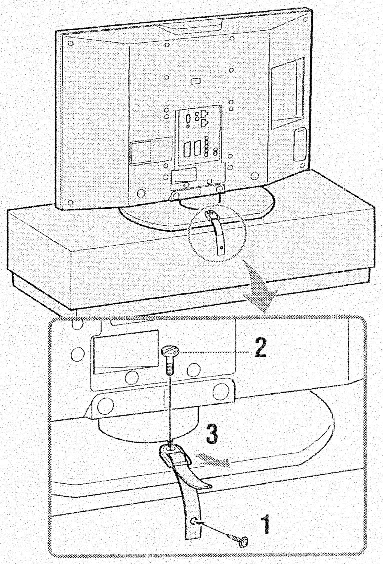
Connecting an aerial only


Coaxial cable (supplied)
Mains lead (supplied)

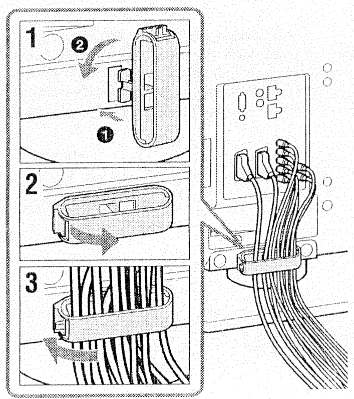
Connecting an aerial and VCR


Mains lead (supplied)
Coaxial cable (supplied)
(SmartLink)
Scart lead (not supplied)
Coaxial cable (not supplied)
IN
OUT
VCR

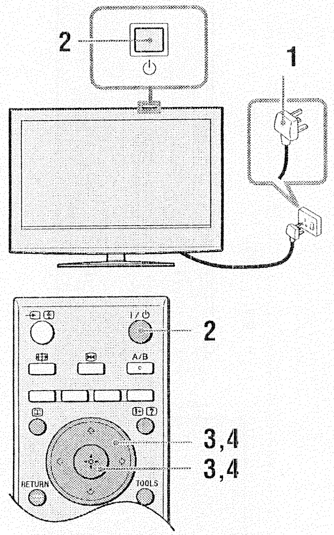
4: Preventing the TV from toppling over



5: Bundling the cables



6: Selecting the language and country/ region

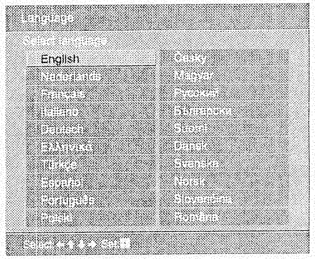

2
1
2
3,4
3,4
A/B
RETURN
TOOLS

1 Connect the TV to your mains socket (220-240V AC, 50Hz).

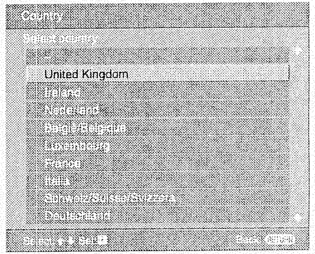
2 Press ⏻ on the TV (top side).

When you switch on the TV for the first time, the Language menu appears on the screen.
When the TV is in standby mode (the ⏻ (standby) indicator on the TV (front) is red), press I/⏻ on the remote to switch on the TV.

3 Press ⇧/⇩/⇦/⇨ to select the language displayed on the menu screens, then press ⊕.



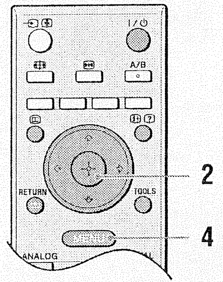
4 Press ⇧/⇩ to select the country/region in which you will operate the TV, then press ⊕.


United Kingdom

If the country/region in which you want to use the TV does not appear in the list, select "-" instead of a country/region.
The message confirming the TV start auto-tuning appears on the screen, then go to "7: Auto-tuning the TV".

7: Auto-tuning the TV

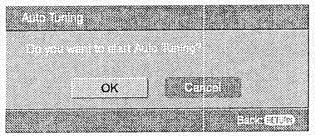
The TV will now search for and store all available TV channels.



1 Before you start auto-tuning the TV, insert a pre-recorded tape into the VCR connected to the TV (page 6) and start play back.

The video channel will be located and stored on the TV during auto-tuning.
If no VCR is connected to the TV, this procedure is not required. Go to step 2.

2 Press ⇦/⇨ to select “OK”, then press ⊕.



The TV starts searching for all available digital channels, followed by all available analogue channels. This may take some time, please be patient and do not press any buttons on the TV or remote.

If a message appears for you to confirm the aerial connections

No digital or analogue channels were found. Check all the aerial connections and press ⊕ to start auto-tuning again.

3 When the Programme Sorting menu appears on the screen, follow the steps of “Programme Sorting” (page 32).

If you do not change the order in which the analogue channels are stored on the TV, go to step 4.

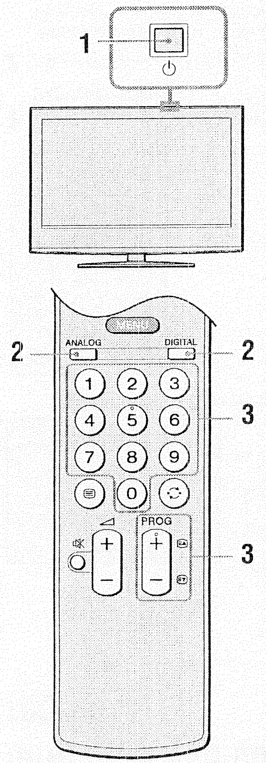
4 Press MENU to exit.

The TV has now tuned in all the available channels.

Note

When a digital broadcast channel cannot be received, or when selecting a region in which there are no digital broadcasts in step 4 under “6: Selecting the language and country/region”, the time must be set from “Clock Set” in the “Set-up” menu (page 29) after performing step 4.

Watching TV



1 Press ⏻ on the TV (top side) to switch on the TV.

When the TV is in standby mode (the ⏻ (standby) indicator on the TV (front) is red), press I/⏻ on the remote to switch on the TV.

2 Press DIGITAL to switch to digital mode or ANALOG to switch to analogue mode.

The channels available vary depending on the mode.

3 Press the number buttons or PROG +/- to select a TV channel.

To select channel numbers 10 and above using the number buttons, enter the second and third digits within two seconds.
To select a digital channel using the Digital Electronic Programme Guide (EPG), see page 18.

In digital mode

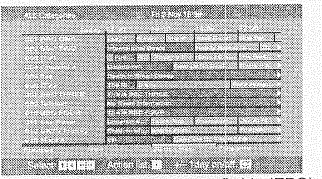
An information banner appears briefly. The following icons may be indicated on the banner.

- ▭: Interactive service is available (Digital Text)
- 📻: Radio service
- ▩: Scrambled/Subscription service
- 🔈: Multiple audio languages available
- ▤: Subtitles available
- ▣: Subtitles available for the hearing impaired
- ⑱: Recommended minimum age for current programme (from 4 to 18 years)
- 🔒: Parental Lock
- ⏺: Current programme is being recorded

Additional operations

To	Do this
Turn off the TV temporarily (Standby mode)	Press I/⏻.
Turn on the TV from Standby mode without sound	Press 🔇. Press ⊿ +/- to set the volume level.
Turn off the TV	Press ⏻ on the TV (top side).
Adjust the volume	Press ⊿ + (increase)/ - (decrease).
Mute the sound	Press 🔇. Press again to restore.
Access the Programme index table (in analogue mode only)	Press ⊕. To select an analogue channel, press ⇧/⇩, then press ⊕. To access the Input signal index table, see page 21.

Checking the Digital Electronic Programme Guide (EPG) DVB*



Digital Electronic Programme Guide (EPG)

1 In digital mode, press ▣ to display the Digital Electronic Programme Guide (EPG).

2 Perform the desired operation, as shown in the following table.

Note

Programme information will only be displayed if the TV station is transmitting it.

* This function may not be available in some countries.

To	Do this
Turn off the EPG	Press ▣.
Move through the EPG	Press ⇧/⇩/⇦/⇨.
Watch a current programme	Press ⊕ while the current programme is selected.
Sort the programme information by category – Category list	1 Press the blue button. 2 Press ⇧/⇩/⇦/⇨ to select a category. The category name is displayed on the side. The categories available include: "Favourite": Contains all the channels that have been stored in the Favourite list (page 20). "All Categories": Contains all available channels. Category name (e.g. "News"): Contains all channels corresponding to the selected category. 3 Press ⊕. The Digital Electronic Programme Guide (EPG) now only displays the current programmes from the category selected.
Set a programme to be recorded – Timer REC	1 Press ⇧/⇩/⇦/⇨ to select the future programme you want to record. 2 Press ⊕. 3 Press ⇧/⇩ to select "Timer REC". 4 Press ⊕ to set the TV and your VCR timers. A ▣ symbol appears by that programme's information. The ⏻ indicator on the TV (front) lights up in orange. **Notes** • You can set VCR timer recording on the TV only for Smartlink compatible VCRs. If your VCR is not Smartlink compatible, a message will be displayed to remind you to set your VCR timer. • Once a recording has begun, you can switch the TV to standby mode, but do not switch off the TV completely or the recording may be cancelled. • If an age restriction for programmes has been selected, a message asking for pin code will appear on the screen. For more details refer to "Parental Lock" on page 36.

Viewing pictures from connected equipment

Switch on the connected equipment, then perform one of the following operation.

For equipment connected to the scart sockets using a fully-wired 21-pin scart lead (page 38)

Start playback on the connected equipment.
The picture from the connected equipment appears on the screen.

For an auto-tuned VCR (page 8)

In analogue mode, press PROG +/-, or the number buttons, to select the video channel.

For other connected equipment (page 37)

Press ⇥/⊟ repeatedly until the correct input symbol (see below) appears on the screen.

On screen display	Labels of input jacks
⇥ AV1/2 or ⇥ AV1/2	⇥ 1/2 or ⇥ 1/2
⇥ AV3	⇥ 3 (Y, P_B/C_B, P_R/C_R) and ⇥ 3 (L, R)
⇥ AV4	HDMI IN 4 and HDMI IN 4 ⇥ (L, R)
⇥ AV5	HDMI IN 5
S-⇥ AV6 or ⇥ AV6	S-⇥ 6 or ⇥ 6, and ⇥ 6 (L (MONO), R)
⇥ PC	PC ⇥ and PC ⇥

Additional operations

To	Do this
Return to normal TV mode	Press DIGITAL or ANALOG.
Access the Input signal index table (except for PC video input signal)	Press ⊕ to access the Input signal index table. (Then, only in analogue mode, press ⇨.) To select an input source, press ⇧/⇩, then press ⊕.

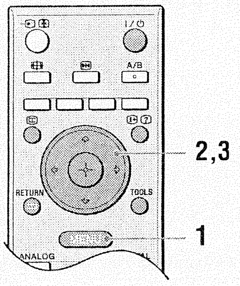
Using the Tools menu

Press TOOLS to display the following options when viewing pictures from connected equipment other than PC.

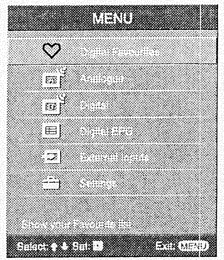
Options	Description
Close	Closes the Tools menu.
Power Saving	See page 29.
Picture Mode	See page 23.
Sound Mode	See page 25.
Auto Clock Set (in analogue mode only)	Allows you to switch to digital mode and obtain the time.
Sleep Timer	See page 28.
🎧 Volume	Adjusts the volume of the headphones.

Navigating through menus

"MENU" allows you to enjoy various convenient features of this TV. You can easily select channels or inputs sources and change the settings for your TV.



1 Press MENU to display the menu.

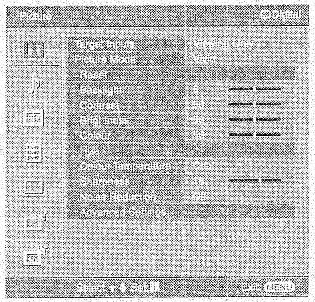


Icon	Description
♡	Digital Favourites Displays the Favourite list. For details about settings, see page 20.
A	Analogue Returns to the last viewed analogue channel.
D	Digital Returns to the last viewed digital channel.
	Digital EPG Displays the Digital Electronic Programme Guide (EPG). For details about settings, see page 18.
	External Inputs Selects equipment connected to your TV. • To watch the desired external input, select the input source, then press ⊕. • To assign a label to an external input, select "Edit AV Labels", then see page 28.
	Settings Displays the Settings menu where most of the advanced settings and adjustments are performed. For details about settings, see page 23 to 36. **Note** The options you can adjust vary depending on the situation. Unavailable options are greyed out or not displayed.

2 Press ⇧/⇩ to select an option.

3 Press ⊕ to confirm a selected option.
To exit the menu, press MENU.

Picture menu



You can select the options listed below on the Picture menu.

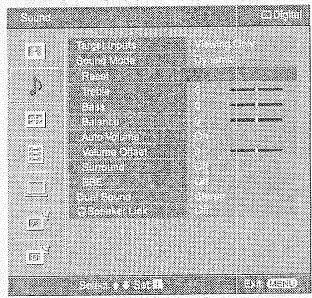
1 Press ⇧/⇩ to select "Settings" on MENU, then press ⊕.

2 Press ⇧/⇩ to select a menu icon, then press ⊕.

3 Press ⇧/⇩/⇦/⇨ to select an option.

Target Inputs	Selects whether to apply settings made in the Picture menu to all inputs, or only to the input currently being watched. "All": Applies settings to all inputs. "Viewing Only": Applies settings only to the current input.
Picture Mode	Selects the picture mode except for PC input source. "Vivid": For enhanced picture contrast and sharpness. "Standard": For standard picture. Recommended for home entertainment. "Custom": Allows you to store your preferred settings.
Display Mode	Selects the display mode for PC input souce. "Video": For video images. "Text": For text, charts or tables.
Reset	Resets all picture settings except "Target Inputs", "Picture Mode" and "Display Mode" to the factory settings.
Backlight	Adjusts the brightness of the backlight. **Tip** "Backlight" is not available when you set "Power Saving" to "High" (page 29).
Contrast	Increases or decreases picture contrast.
Brightness	Brightens or darkens the picture.
Colour	Increases or decreases colour intensity.
Hue	Increases or decreases the green tones and red tones. **Tip** "Hue" can only be adjusted for an NTSC colour signal (e.g., U.S.A. video tapes).

Sound menu

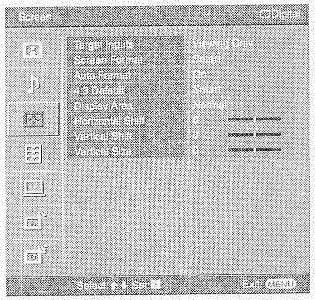


Target Inputs Viewing Only
Sound Mode Dynamic
Reset
Treble 0
Bass 0
Balance 0
Auto Volume On
Volume Offset 0
Surround Off
BBE Off
Dual Sound Stereo
Speaker Link Off

You can select the options listed below on the Sound menu. To select options in "Settings", refer to "Picture menu" (page 23).

Target Inputs	Selects whether to apply settings made in the Sound menu to all inputs, or only to the input currently being watched. "All": Applies settings to all inputs. "Viewing Only": Applies settings only to the current input.
Sound Mode	Selects the sound mode. "Dynamic": Enhances treble and bass. "Standard": For standard sound. Recommended for home entertainment. "Custom": Flat response. Also allows you to store your preferred settings.
Reset	Resets the sound settings except "Sound Mode", "Dual Sound" and "🎧 Speaker Link" to the factory settings.
Treble	Adjusts higher-pitched sounds.
Bass	Adjusts lower-pitched sounds.
Balance	Emphasizes left or right speaker balance.
Auto Volume	Keeps a constant volume level even when volume level gaps occur (e.g., adverts tend to be louder than programmes).
Volume Offset	Adjusts the volume level of the current input relative to other inputs, when "Target Inputs" is set to "Viewing Only".
Surround	Selects the surround mode. "TruSurround XT": For surround sound (for stereo programmes only). "Simulated Stereo": Adds a surround-like effect to mono programs. "Off": For normal stereo or mono reception.
BBE	Gives sound more impact by compensating for phase effects in speakers using the "BBE High Definition Sound System".

Screen menu

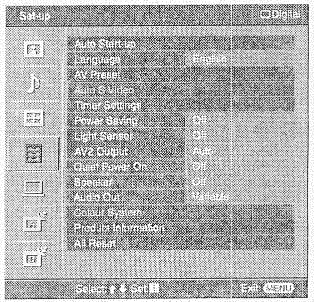


Target Inputs Viewing Only
Screen Format Smart
Auto Format On
4:3 Default Smart
Display Area Normal
Horizontal Shift 0
Vertical Shift 0
Vertical Size 0

You can select the options listed below on the Screen menu. To select options in "Settings", refer to "Picture menu" (page 23).

Target Inputs	Selects whether to apply settings made in the Screen menu to all inputs, or only to the input currently being watched. "All": Applies settings to all inputs. "Viewing Only": Applies settings only to the current input.
Screen Format	For details about the screen format, see "To change the screen format manually to suit the broadcast" (page 16).
Auto Format	Automatically changes the screen format according to the broadcast signal. To keep your setting, select "Off". **Tips** • Even if you have selected "On" or "Off" in "Auto Format", you can always modify the format of the screen by pressing ⊞ repeatedly. • "Auto Format" is available for PAL and SECAM signals only.
4:3 Default	Selects the default screen format for use with 4:3 broadcasts. "Smart": Displays conventional 4:3 broadcasts with an imitation wide screen effect. "4:3": Displays conventional 4:3 broadcasts in the correct proportions. "Off": Keeps the current "Screen Format" setting when the channel or input is changed. **Tip** This option is available only if "Auto Format" is set to "On".
Display Area	Adjusts the screen area displaying the picture. "Full Pixel": Displays the picture for 1080i or 1080p sources in the original size when parts of the picture are cut off. "Normal": Displays the picture in the original size. "–1"/"–2": Enlarges the picture to hide the edge of the picture.
Horizontal Shift	Adjusts the horizontal position of the picture.
Vertical Shift	Adjusts the vertical position of the picture when the screen format is set to "Smart", "Zoom" or "14:9".
Vertical Size	Adjusts the vertical size of the picture when the screen format is set to "Smart", "Zoom" or "14:9".

Set-up menu



Set-up
Auto Start-up
Language: English
AV Preset
Auto S Video
Timer Settings
Power Saving: Off
Light Sensor: Off
AV2 Output: Auto
Quick Power On: Off
Speaker: On
Audio Out: Variable
Colour System
Product Information
All Reset

You can select the options listed below on the Set-up menu. To select options in "Settings", refer to "Picture menu" (page 23).

Auto Start-up

Starts the "first time operation menu" to select the language and country/region, and tune in all available digital and analogue channels. Usually, you do not need to do this operation because the language and country/region will have been selected and channels already tuned when the TV was first installed (page 7, 8). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for new channels that have been launched by broadcasters).

Language

Selects the language in which the menus are displayed.

AV Preset

Assigns a name to any equipment connected to the side and rear sockets. The name will be displayed briefly on the screen when the equipment is selected. You can skip an input source that is not necessary.

1 Press ⇧/⇩ to select the desired input source, then press ⊕.

2 Press ⇧/⇩ to select the desired option below, then press ⊕.

Equipment labels: Uses one of the preset labels to assign a name to connected equipment.
"Edit:": Creates your own label. Follow steps 2 to 4 of "Programme Labels" (page 32).
"Skip": Skips an unnecessary input source when you press ⊕ to select the input source.

Auto S Video

Selects the input signal from S video sockets S-⊕6 when S-⊕/-⊕6 sockets are both connected.

Timer Settings

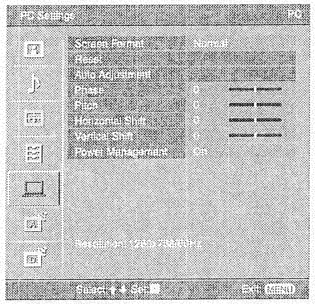
Sets the timer to turn on/off the TV.

Sleep Timer

Sets a period of time after which the TV automatically switches itself into standby mode.
When the Sleep Timer is activated, the ⊕ (Timer) indicator on the TV (front) lights up in orange.

Tips
- If you switch off the TV and switch it on again, "Sleep Timer" is reset to "Off".
- "TV will soon turn off by Sleep Timer" appears on the screen one minute before the TV switches to standby mode.

PC Settings menu



PC Settings
Screen Format: Normal
Reset
Auto Adjustment
Phase: 0
Pitch: 0
Horizontal Shift: 0
Vertical Shift: 0
Power Management: On

You can select the options listed below on the PC Settings menu. To select options in "Settings", refer to "Picture menu" (page 23).

Screen Format

Selects a screen format for displaying input from your PC.
"Normal": Displays the picture in its original size.
"Full1": Enlarges the picture to fill the display area, keeping its original horizontal-to-vertical aspect ratio.
"Full2": Enlarges the picture to fill the display area.

Reset

Resets the PC settings except "Screen Format" and "Power Management" to the factory settings.

Auto Adjustment

Automatically adjusts the display position and phase of the picture when the TV receives an input signal from the connected PC.

Tip
Auto Adjustment may not work well with certain input signals. In such cases, manually adjust "Phase", "Pitch", "Horizontal Shift" and "Vertical Shift".

Phase

Adjusts the phase when the screen flickers.

Pitch

Adjusts the pitch when the picture has unwanted vertical stripes.

Horizontal Shift

Adjusts the horizontal position of the picture.

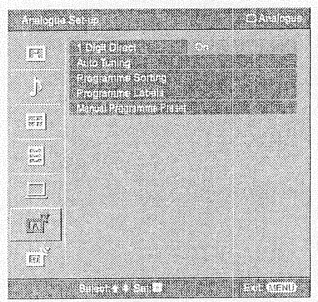
Vertical Shift

Adjusts the vertical position of the picture.

Power Management

Switches the TV to standby mode if no signal is received for 30 seconds.

Analogue Set-up menu (Analogue mode only)



You can change/set the analogue settings using the Analogue Set-up menu. To select options in "Settings", refer to "Picture menu" (page 23).

1 Digit Direct

When "1 Digit Direct" is set to "On", you can select an analogue channel using one preset number button (0 - 9) on the remote.

Note

When "1 Digit Direct" is set to "On", you cannot select channel numbers 10 and above entering two digits using the remote.

Auto Tuning

Tunes in all the available analogue channels.

Usually you do not need to do this operation because the channels are already tuned when the TV was first installed (page 8). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for new channels that have been launched by broadcasters).

Programme Sorting

Changes the order in which the analogue channels are stored on the TV.

1. Press ⇧/⇩ to select the channel you want to move to a new position, then press ⊕.
2. Press ⇧/⇩ to select the new position for your channel, then press ⊕.

Programme Labels

Assigns a channel name of your choice up to five letters or numbers. The name will be displayed briefly on the screen when the channel is selected. (Names for channels are usually taken automatically from Analogue Text (if available).)

1. Press ⇧/⇩ to select the channel you want to name, then press ⊕.
2. Press ⇧/⇩ to select the desired letter or number ("_" for a blank space), then press ⇨.

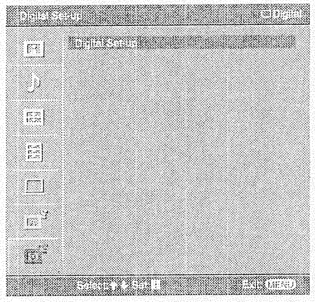
   If you input a wrong character

   Press ⇦/⇨ to select the wrong character. Then, press ⇧/⇩ to select the correct character.

   To delete all the characters

   Select "Reset", then press ⊕.
3. Repeat the procedure in step 2 until the name is complete.
4. Select "OK", then press ⊕.

Digital Set-up menu DVB



You can change/set the digital settings using the Digital Set-up menu. Select "Digital Set-up" and press ⊕ to display the following menus. To select options in "Settings", refer to "Picture menu" (page 23).

Digital Tuning

Displays the "Digital Tuning" menu.

Digital Auto Tuning

Tunes in all the available digital channels.

Usually you do not need to do this operation because the channels are already tuned when the TV was first installed (page 8). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for new channels that have been launched by broadcasters).

Programme List Edit

Removes any unwanted digital channels stored on the TV, and changes the order of the digital channels stored on the TV.

1. Press ⇧/⇩ to select the channel you want to remove or move to a new position.

   If you know the programme number (frequency)

   Press the number buttons to enter the three-digit programme number of the broadcast you want.
2. Remove or change the order of the digital channels as follows:

   To remove the digital channel

   Press ⊕. A message that confirms whether the selected digital channel is to be deleted appears. Press ⇦ to select "Yes", then press ⊕.

   To change the order of the digital channels

   Press ⇨, then press ⇧/⇩ to select the new position for the channel and press ⇦. Repeat the procedure in steps 1 and 2 to move other channels if required.
3. Press RETURN.

Digital Manual Tuning

Tunes the digital channels manually.

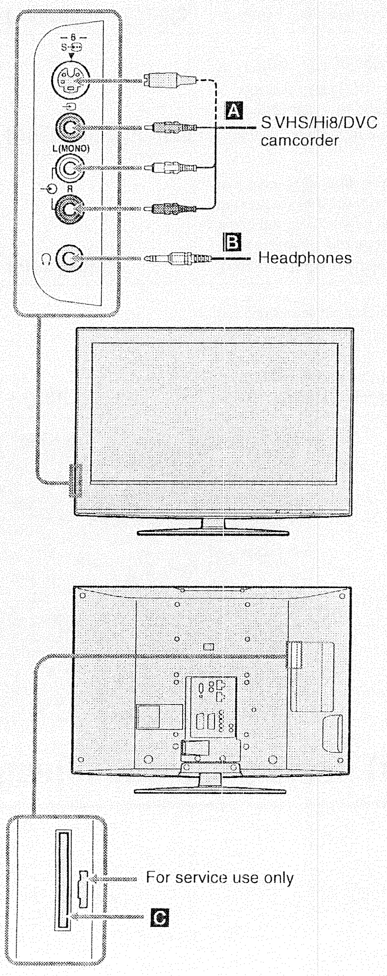
1. Press the number button to select the channel number you want to manually tune, then press ⇧/⇩ to tune the channel.
2. When the available channels are found, press ⇧/⇩ to select the channel you want to store, then press ⊕.
3. Press ⇧/⇩ to select the programme number where you want to store the new channel, then press ⊕.

Repeat the procedure above to tune other channels manually.

Connecting optional equipment

You can connect a wide range of optional equipment to your TV. Connecting cables are not supplied.

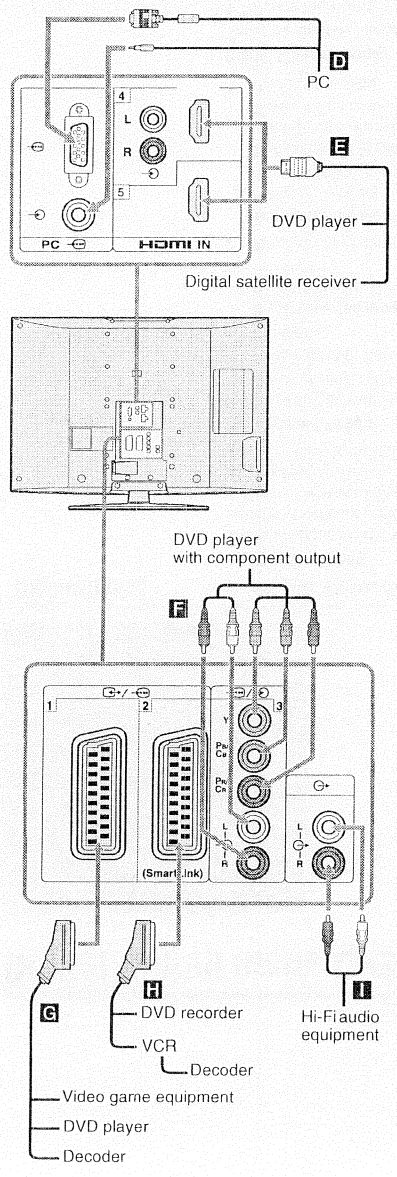
Connecting to the TV (side)


6
S-⊡
L(MONO)
R
A
S VHS/Hi8/DVC camcorder
B
Headphones
For service use only
C

To connect	Do this
S VHS/Hi8/DVC camcorder **A**	Connect to the S video socket S-⊡6 or the composite video socket ⊖6, and the audio L (MONO)/R sockets ⊖6. To avoid picture noise, do not connect the camcorder to the video socket ⊖6 and the S video socket S-⊡6 at the same time. If you connect mono equipment, connect to the L socket ⊖6.
Headphones **B**	Connect to the ∩ socket to listen to sound from the TV on headphones.
Conditional Access Module (CAM) **C**	To use Pay Per View services. For details, refer to the instruction manual supplied with your CAM. To use the CAM, remove the rubber cover from the CAM slot. Switch off the TV when inserting your CAM into the CAM slot. When you do not use the CAM, we recommend that you replace the cover on the CAM slot. **Note** CAM is not supported in all countries. Please check with your authorized dealer.

Continued

Connecting to the TV (rear)


D
PC
E
4
L
R
5
PC
HDMI IN
DVD player
Digital satellite receiver
DVD player
with component output
F
1
2
3
Y
PB/CB
PR/CR
L
R
(SmartLink)
G
H
DVD recorder
VCR
Decoder
Video game equipment
DVD player
Decoder
I
Hi-Fi audio equipment

To connect	Do this
PC **D**	Connect to the PC ⊡/⊖ sockets. It is recommended to use a PC cable with ferrites.
Digital satellite receiver or DVD player **E**	Connect to the HDMI IN 4 or 5 socket if the equipment has a HDMI socket. The digital video and audio signals are input from the equipment. If the equipment has a DVI socket, connect the DVI socket to the HDMI IN 4 socket through a DVI - HDMI adaptor interface (not supplied), and connect the equipment's audio out sockets to the audio in HDMI IN 4 sockets. **Notes** • The HDMI sockets only support the following video inputs: 480i, 480p, 576i, 576p, 720p, 1080i and 1080p. To connect a PC, please use the PC ⊡ socket. • Be sure to use only an HDMI cable that bears the HDMI logo.
DVD player with component output **F**	Connect to the component video sockets and the audio L/R sockets ⊡/⊖3.
Video game equipment, DVD player or decoder **G**	Connect to the scart socket ⊖/⊡1. When you connect the decoder, the scrambled signal from the TV tuner is output to the decoder, then the unscrambled signal is output from the decoder.
DVD recorder or VCR that supports SmartLink **H**	Connect to the scart socket ⊖/⊡2. SmartLink is a direct link between the TV and a VCR/DVD recorder.
Hi-Fi audio equipment **I**	Connect to the audio output sockets ⊖ to listen to the sound from the TV on Hi-Fi audio equipment.

Additional Information

Specifications

Display Unit

Power Requirements:
220–240 V AC, 50 Hz
Screen Size:
KDL-46W2000:
46 inches (Approx. 116.8 cm measured diagonally)
KDL-40W2000:
40 inches (Approx. 101.6 cm measured diagonally)
Display Resolution:
1,920 dots (horizontal) × 1,080 lines (vertical)
Power Consumption:
KDL-46W2000: 225 W
KDL-40W2000: 185 W
Standby Power Consumption:
0.3 W
Dimensions (w × h × d):
KDL-46W2000:
Approx. 1,120 × 805 × 334 mm (with stand)
Approx. 1,120 × 755 × 118 mm (without stand)
KDL-40W2000:
Approx. 988 × 715 × 266 mm (with stand)
Approx. 988 × 665 × 105 mm (without stand)
Mass:
KDL-46W2000:
Approx. 36.0 kg (with stand)
Approx. 30.0 kg (without stand)
KDL-40W2000:
Approx. 27.5 kg (with stand)
Approx. 23.0 kg (without stand)

Panel System

LCD (Liquid Crystal Display) Panel

TV System

Analogue: Depending on your country/region selection:
B/G/H, D/K, L, I
Digital: DVB-T

Colour/Video System

Analogue: PAL, SECAM
NTSC 3.58, 4.43 (only Video In)
Digital: MPEG-2 MP@ML

Aerial

75 ohm external terminal for VHF/UHF

Channel Coverage

Analogue:	VHF:	E2–E12
	UHF:	E21–E69
	CATV:	S1–S20
	HYPER:	S21–S41
	D/K:	R1–R12, R21–R69
	L:	F2–F10, B–Q, F21–F69
	I:	UHF B21–B69
Digital:	VHF/UHF	

Terminals

⊖/⊟1
21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, and TV audio/video output.
⊖/⊟2 (SmartLink)
21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, selectable audio/video output, and SmartLink interface.
⊟3
Supported formats: 1080i, 720p, 576p, 576i, 480p, 480i
Y: 1 Vp-p, 75 ohms, 0.3V negative sync
PB/CB: 0.7 Vp-p, 75 ohms
PR/CR: 0.7 Vp-p, 75 ohms
⊖3
Audio input (phono jacks)
500 mVrms
Impedance: 47 kilohms
HDMI IN 4, 5
Video: 1080p, 1080i, 720p, 576p, 576i, 480p, 480i
Audio: Two channel linear PCM
32, 44.1 and 48 kHz, 16, 20 and 24 bits
Analogue audio (phono jacks):
500 mVrms, Impedance 47 kilohms
(HDMI IN 4 only)
S-⊟6 S video input (4-pin mini DIN)
⊖6 Video input (phono jack)
⊖6 Audio input (phono jacks)
⊖ Audio output (phono jacks)
PC ⊟ PC Input (D-sub 15-pin) (see page 41)
G: 0.7 Vp-p, 75 ohms, non Sync on Green
B: 0.7 Vp-p, 75 ohms
R: 0.7 Vp-p, 75 ohms
HD: 1-5 Vp-p
VD: 1-5 Vp-p
⊖ PC audio input (minijack)
∩ Headphones jack
⊡ CAM (Conditional Access Module) slot

Sound Output

10 W + 10 W

Supplied Accessories

Refer to "1: Checking the accessories" on page 4.

Optional Accessories

- Wall-Mount Bracket SU-WL51

Design and specifications are subject to change without notice.

PC Input Signal Reference Chart

Signals	Horizontal (Pixel)	Vertical (Line)	Horizontal frequency (kHz)	Vertical frequency (Hz)	Standard
VGA	**640**	**480**	**31.5**	**60**	VGA
	640	480	37.5	75	VESA
	720	400	31.5	70	VGA-T
SVGA	**800**	**600**	**37.9**	**60**	**VESA Guidelines**
	800	600	46.9	75	VESA
XGA	**1024**	**768**	**48.4**	**60**	**VESA Guidelines**
	1024	768	56.5	70	VESA
	1024	768	60	75	VESA
WXGA	**1280**	**768**	**47.4**	**60**	**VESA**
	1280	**768**	**47.8**	**60**	**VESA**
	1360	**768**	**47.7**	**60**	**VESA**

- This TV's PC input does not support Sync on Green or Composite Sync.
- This TV's PC input does not support interlaced signals.
- For the best picture quality, it is recommended to use the signals (boldfaced) in the above chart with a 60 Hz vertical frequency from a personal computer. In plug and play, signals with a 60 Hz vertical frequency will be selected automatically.

Troubleshooting

Check whether the ⏻ (standby) indicator is flashing in red.

When it is flashing

The self-diagnosis function is activated.

1 Count how many ⏻ (standby) indicator flashes between each two second break.
For example, the indicator flashes three times, then there is a two second break, followed by another three flashes, etc.
2 Press ⏻ on the TV (Top side) to switch it off, disconnect the mains lead, and inform your dealer or Sony service centre of how the indicator flashes (number of flashes).

When it is not flashing

1 Check the items in the tables below.
2 If the problem still persists, have your TV serviced by qualified service personnel.

Picture

Problem	Cause/Remedy
No picture (screen is dark) and no sound	• Check the aerial connection. • Connect the TV to the mains, and press ⏻ on the TV (top side). • If the ⏻ (standby) indicator lights up in red, press I/⏻.
No picture or no menu information from equipment connected to the scart connector	• Check that the optional equipment is on and press →⊡/⊕ repeatedly until the correct input symbol is displayed on the screen. • Check the connection between the optional equipment and the TV.
Double images or ghosting	• Check aerial/cable connections. • Check the aerial location and direction.
Only snow and noise appear on the screen	• Check if the aerial is broken or bent. • Check if the aerial has reached the end of its serviceable life (three to five years in normal use, one to two years at the seaside).
Distorted picture (dotted lines or stripes)	• Keep the TV away from electrical noise sources such as cars, motorcycles, hair-dryers or optical equipment. • When installing optional equipment, leave some space between the optional equipment and the TV. • Make sure that the aerial is connected using the supplied coaxial cable. • Keep the aerial cable away from other connecting cables.
Picture noise when viewing a TV channel	• Select "Manual Programme Preset" in the "Analogue Set-up" menu and adjust "AFT" (Automatic Fine Tuning) to obtain better picture reception (page 33).
Some tiny black points and/or bright points on the screen	• The picture of a display unit is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.
No colour on programmes	• Select "Reset" in the "Picture" menu to return to the factory settings (page 23).
No colour or irregular colour when viewing a signal from the Y, PB/CB, PR/CR jacks of →⊡3	• Check the connection of the Y, PB/CB, PR/CR jacks of →⊡3. • Make sure that the Y, PB/CB, PR/CR jacks of →⊡3 are firmly seated in their respective sockets.

Sound

Problem	Cause/Remedy
No sound, but good picture	• Press ◿ +/– or 🔇 (Mute). • Check that "Speaker" is set to "On" in the "Set-up" menu (page 29).
Noisy sound	• See the "Picture noise" causes/remedies on page 42.

Channels

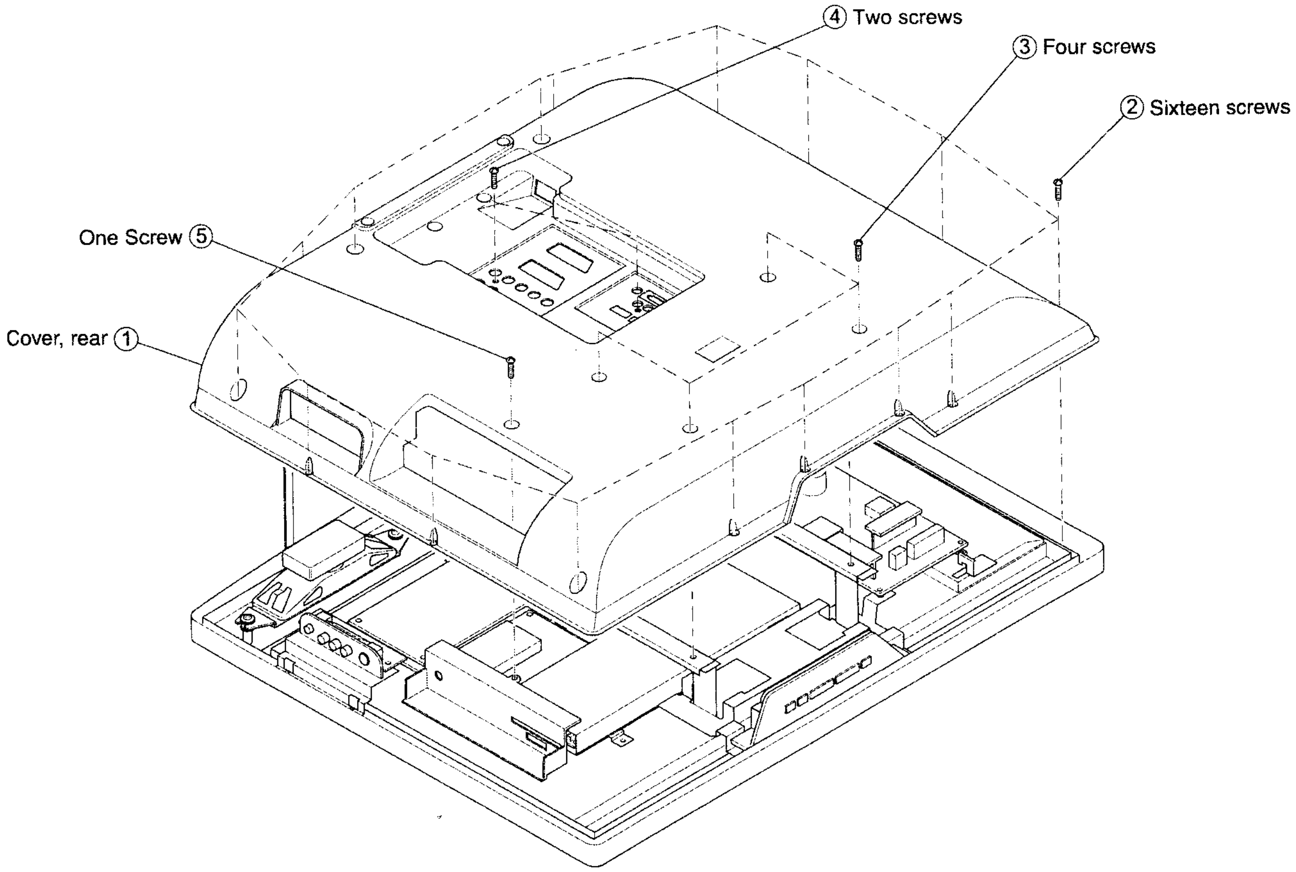
Problem	Cause/Remedy
The desired channel cannot be selected	• Switch between digital and analogue mode and select the desired digital/ analogue channel.
Some channels are blank	• Scrambled/Subscription only channel. Subscribe to the Pay Per View service. • Channel is used only for data (no picture or sound). • Contact the broadcaster for transmission details.
Digital channel is not displayed	• Contact a local installer to find out if digital transmissions are provided in your area. • Upgrade to a higher gain aerial.

General

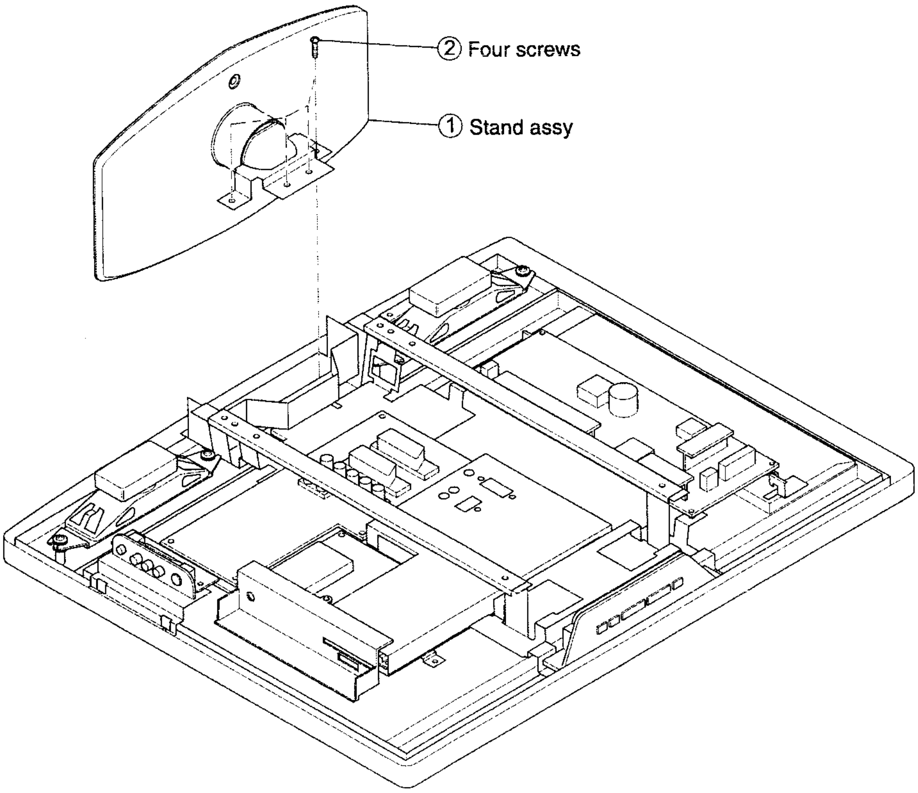
Problem	Cause/Remedy
The TV turns off automatically (the TV enters standby mode)	• Check if the "Sleep Timer" is activated, or confirm the "Duration" setting of "On Timer" (page 28). • If no signal is received and no operation is performed in the TV mode for 10 minutes, the TV automatically switches to standby mode.
The TV turns on automatically	• Check if the "On Timer" is activated (page 29).
Some input sources cannot be selected	• Select "AV Preset" in the "Set-up" menu and cancel "Skip" of the input source (page 28).
The remote does not function	• Replace the batteries.

SECTION 2 DISASSEMBLY

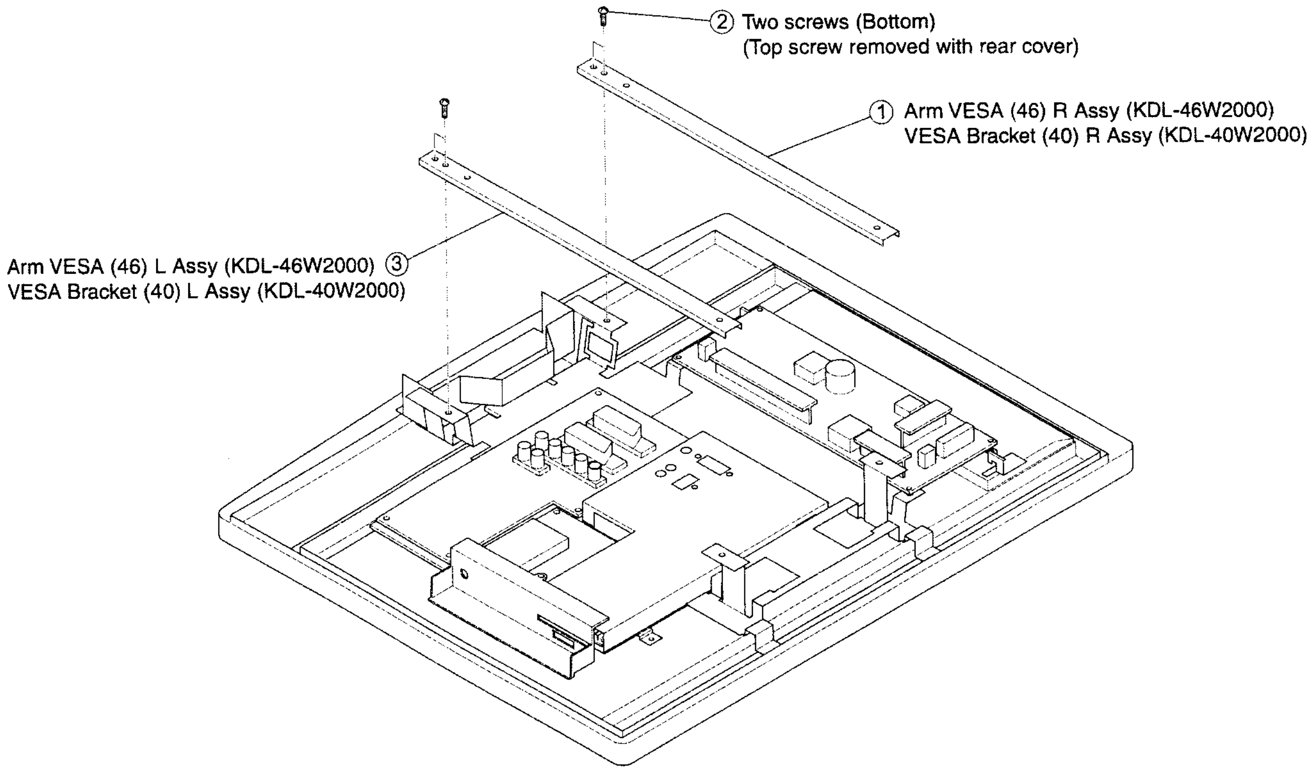
2-1. REAR COVER REMOVAL


④ Two screws
③ Four screws
② Sixteen screws
One Screw ⑤
Cover, rear ①

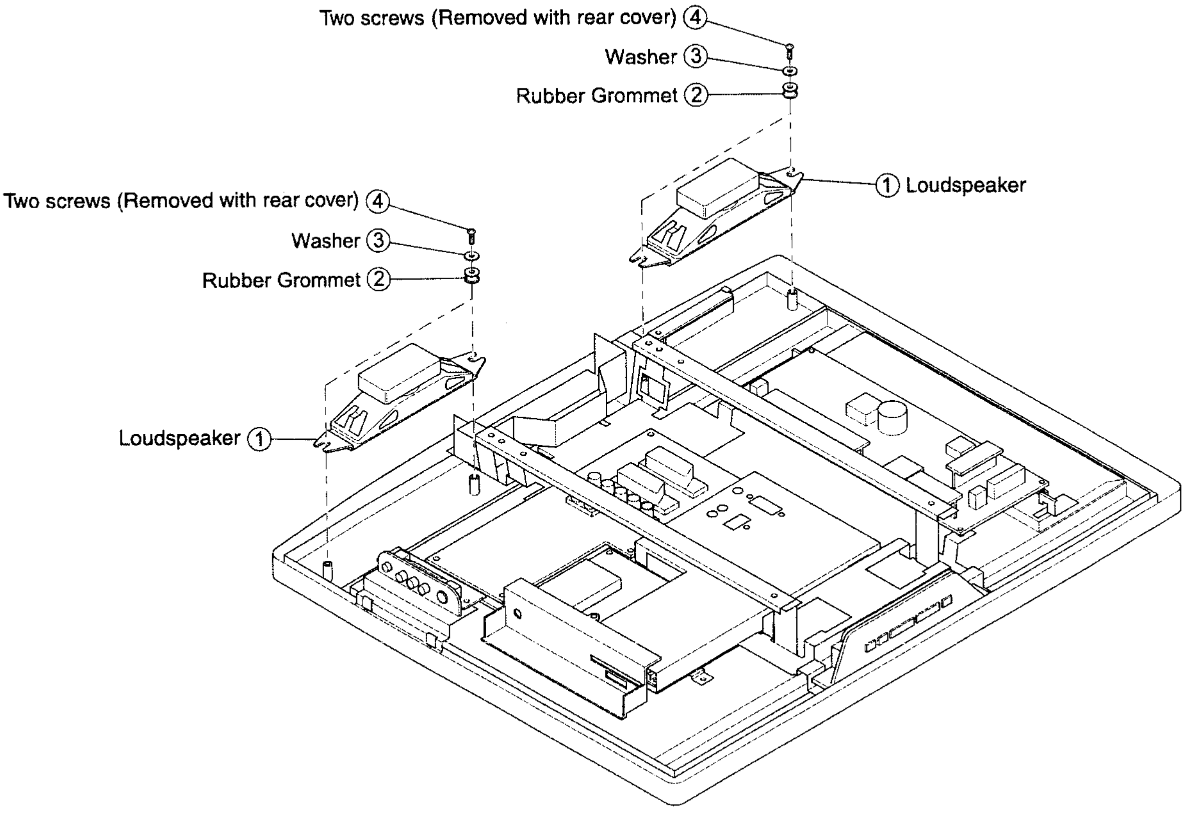
2-2. STAND ASSY REMOVAL


② Four screws
① Stand assy

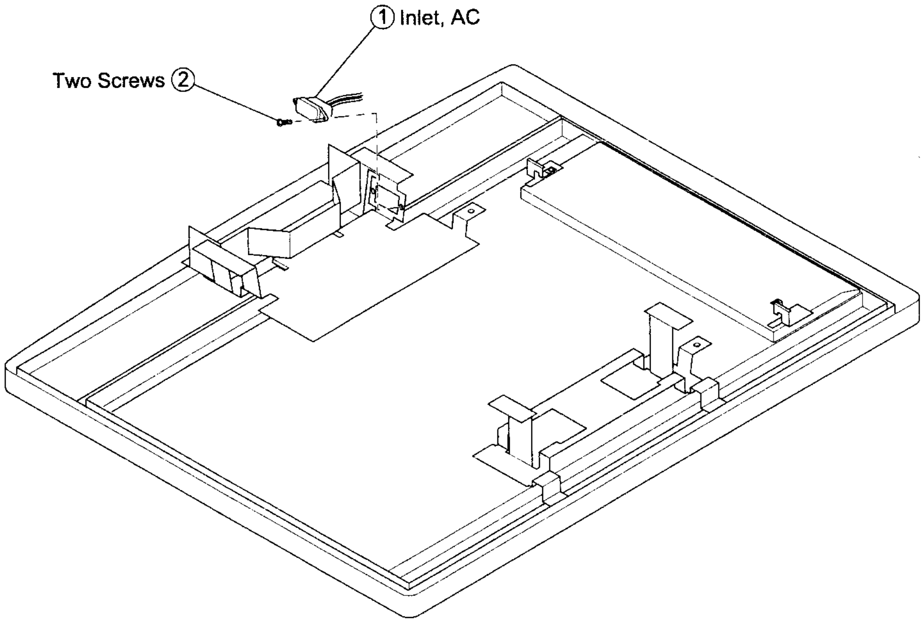
2-3. VESA BRACKET REMOVAL


② Two screws (Bottom)
(Top screw removed with rear cover)
① Arm VESA (46) R Assy (KDL-46W2000)
VESA Bracket (40) R Assy (KDL-40W2000)
Arm VESA (46) L Assy (KDL-46W2000) ③
VESA Bracket (40) L Assy (KDL-40W2000)

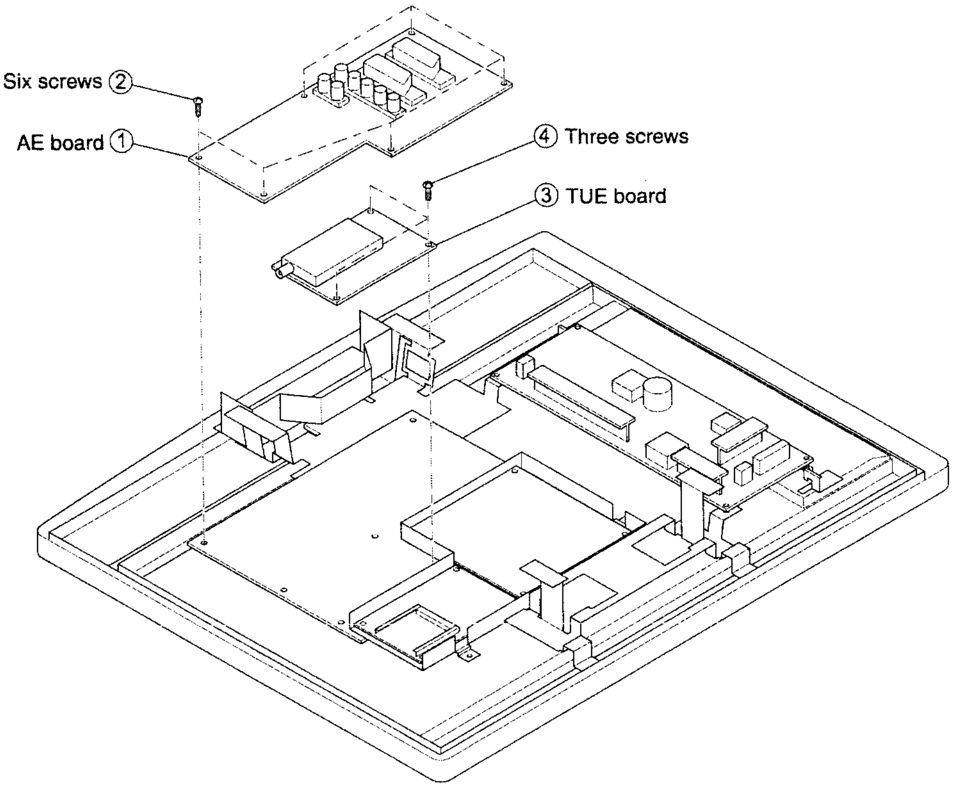
2-4. LOUDSPEAKER REMOVAL


Two screws (Removed with rear cover) ④
Washer ③
Rubber Grommet ②
① Loudspeaker
Two screws (Removed with rear cover) ④
Washer ③
Rubber Grommet ②
Loudspeaker ①

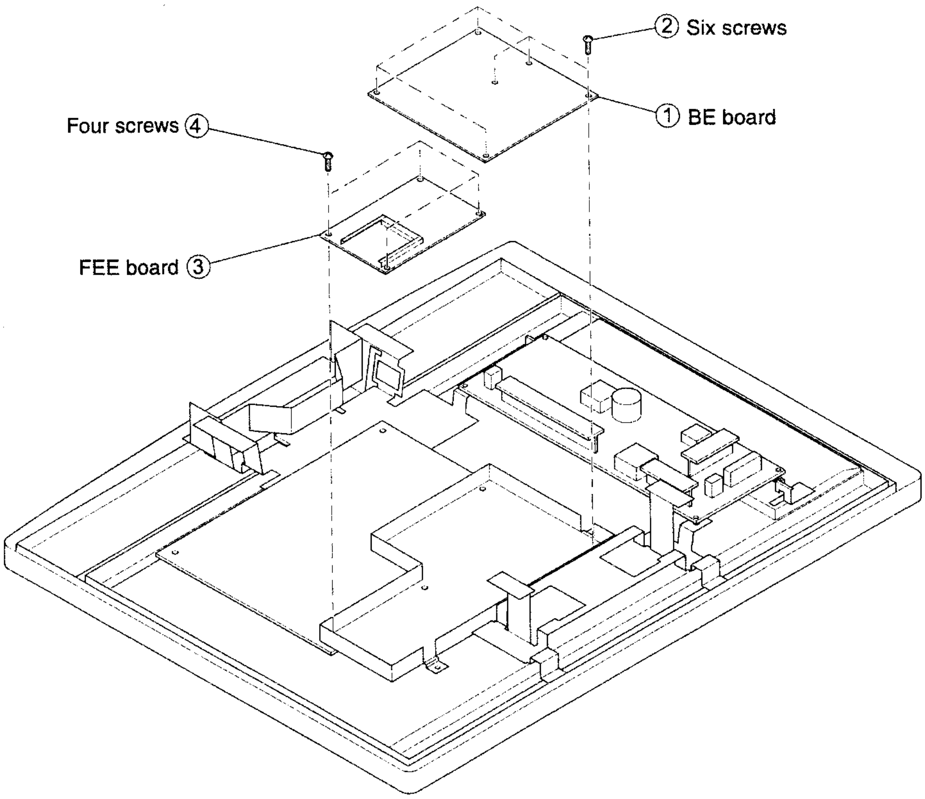
2-5. AC INLET REMOVAL


① Inlet, AC
Two Screws ②

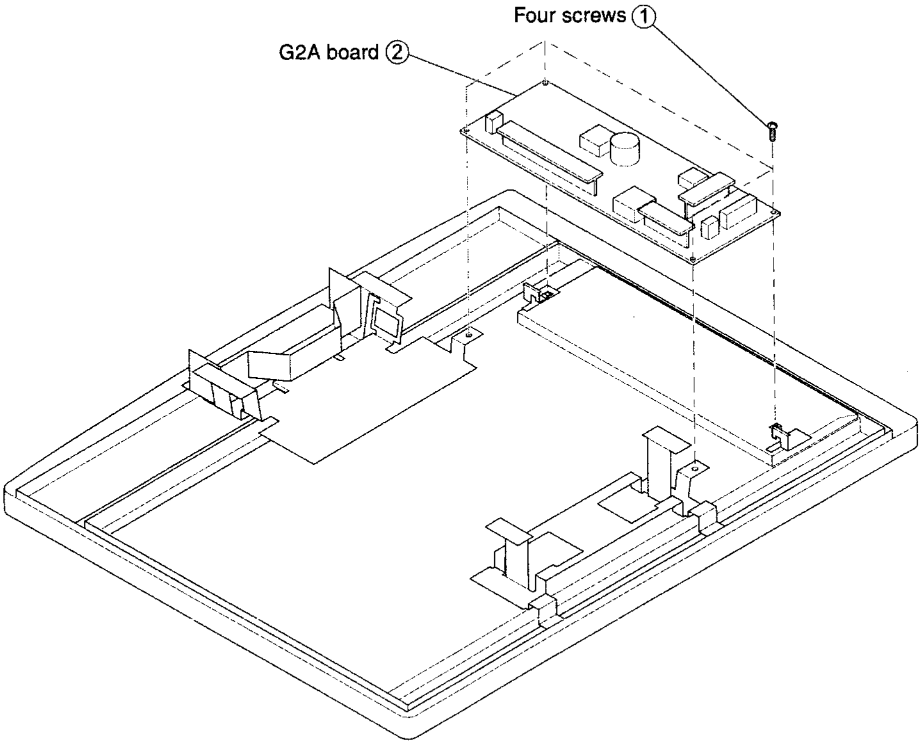
2-6. AE and TUE BOARD REMOVAL


Six screws ②
AE board ①
④ Three screws
③ TUE board

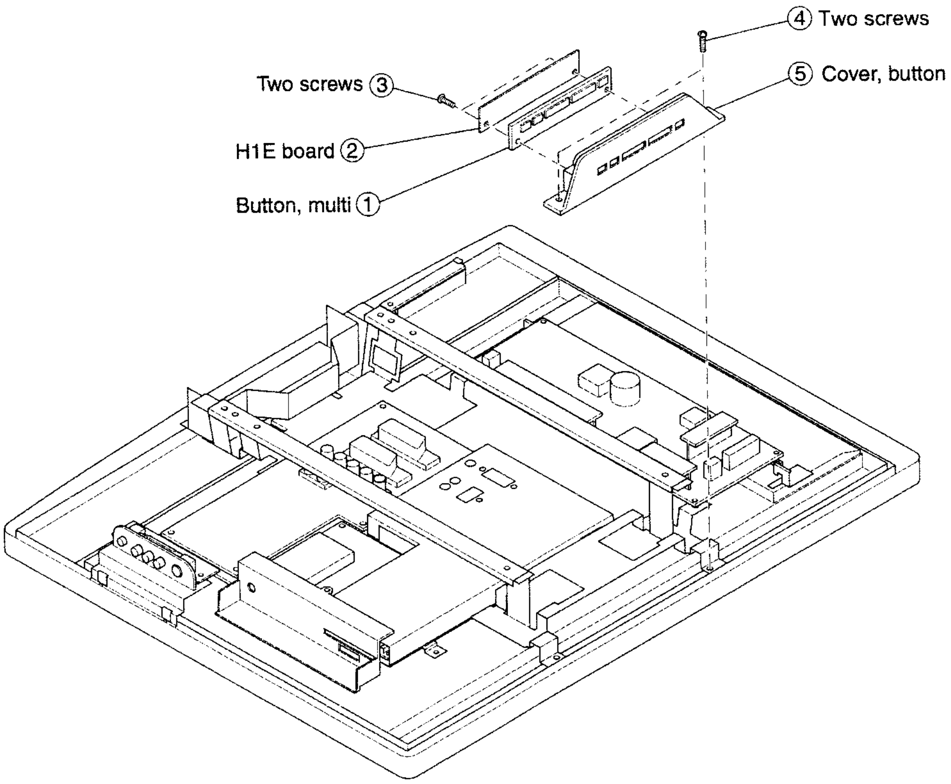
2-7. BE and FEE BOARD REMOVAL


② Six screws
① BE board
Four screws ④
FEE board ③

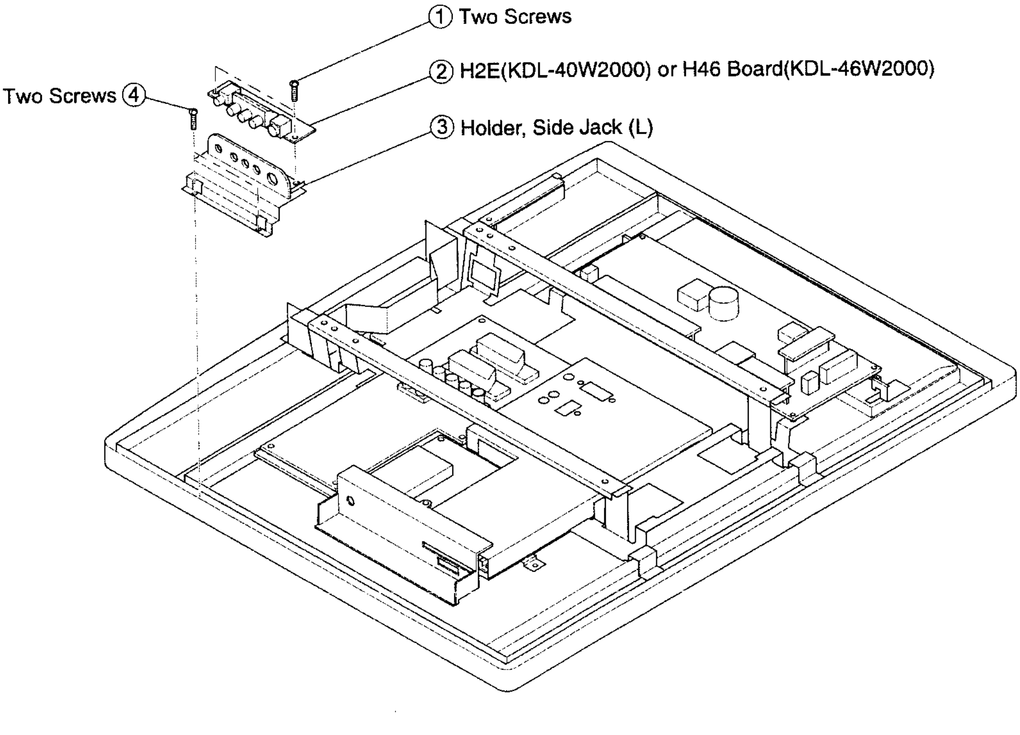
2-8. G2A BOARD REMOVAL


Four screws ①
G2A board ②

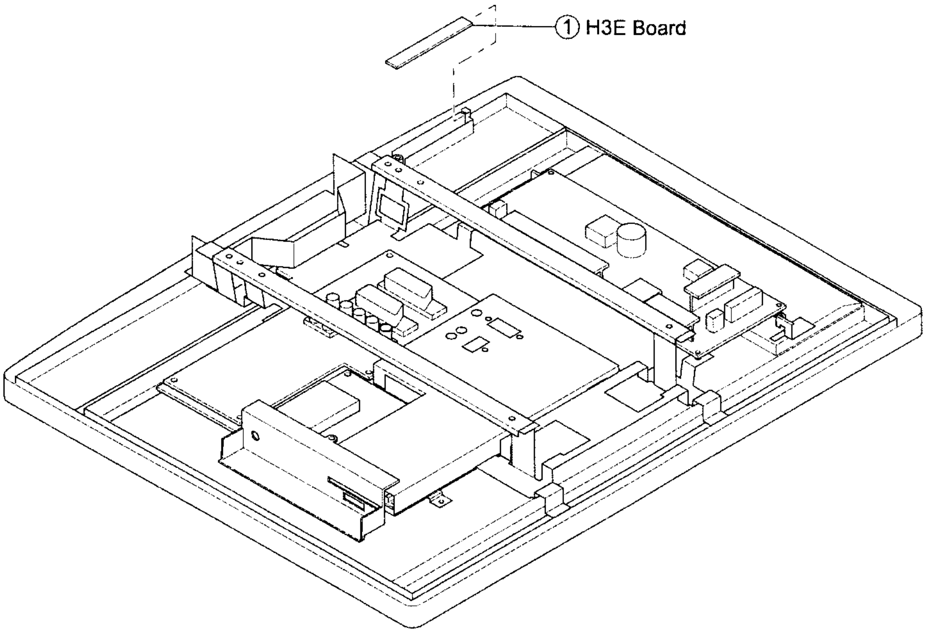
2-9. H1E BOARD REMOVAL


④ Two screws
⑤ Cover, button
Two screws ③
H1E board ②
Button, multi ①

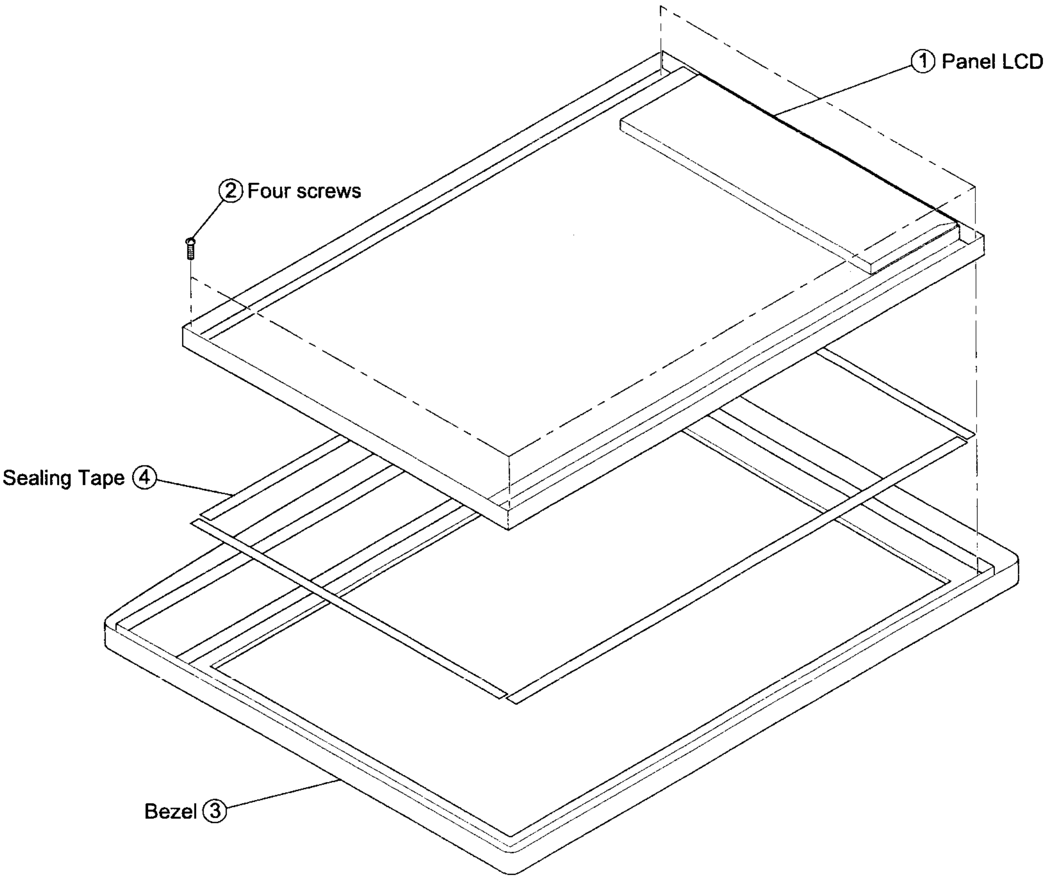
2-10. H2E or H46 BOARD REMOVAL


① Two Screws
② H2E(KDL-40W2000) or H46 Board(KDL-46W2000)
Two Screws ④
③ Holder, Side Jack (L)

2-11. H3E BOARD REMOVAL



2-12. LCD PANEL REMOVAL

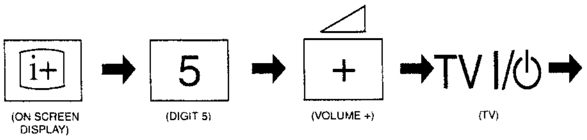

① Panel LCD
② Four screws
Sealing Tape ④
Bezel ③

SECTION 3 SET-UP ADJUSTMENTS

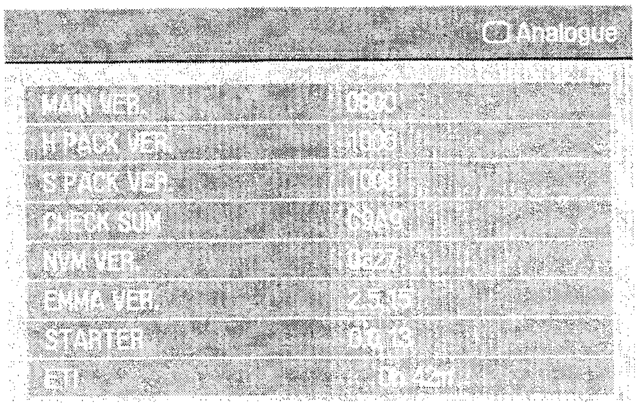
3-1. How to enter Service Mode

Service adjustments to this model can be performed using the supplied remote Commander RM-ED008.

1. Turn on the power to the TV set and enter into the stand-by mode.
2. Press the following sequence of buttons on the Remote Commander.



3. The following menu will then appear on the screen.



MAIN VER. 0800
H PACK VER. 1008
S PACK VER. 1008
CHECK SUM C9A9
NVM VER. 0327
EMMA VER. 2.5.15
STARTER 0.0.13
ETI [illegible]

4. Move to the relevant command using the up or down arrow buttons on the remote commander.
5. Press the right arrow button to enter into the required menu item.
6. Press the 'Menu' button on the remote commander to quit the Service Mode when all adjustments have been completed.

Note :

- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

3-2. Signal Level Adjustment

3-2-1. Set up of AD calibration1 adjustment for terrestrial analog.

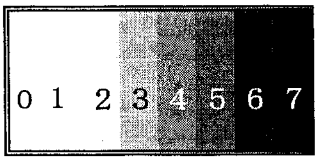
The following adjustments are done via ECS.

1. Send ECS_ADJUST_LEVEL_SETTING_INIT command.
2. Ensure noise reduction NR=3 (High), GAMMA_EN=0, P4_CVD2_85=0.
3. Set the following registration items.

Screen Size	40"	46"
TARGET_Y_RF(PAL)	165	165
ADJ_COLOR_Y_ATT(PAL)	128	128
ADJ_COLOR_PAL(PAL)	3	3

3-2-2. Y signal calibration1 adjustment for terrestrial analog.

1. Input PAL colour bar 75%Y, 75%C via terrestrial input.



2. Send ECS_ADJUST_TCD3_CONT_RF command.
3. Read the value of S-REG:APL_LUMA via ECS. Confirming that the value is within spec of the table below.

AD-Adjust RF Spec	Spec.
Reference register name	
S-REG: APL_LUMA	TARGET_Y_RF±2

3-2-3. Set up of C signal calibration1 adjustment for terrestrial analog.

1. Input PAL colour bar 75%Y, 75%C via terrestrial input.
2. Send ECS_ADJUST_LEVEL_SETTING_INIT command.
3. Ensure noise reduction NR=3 (High), GAMMA_EN=0, P4_CVD2_85=0.

3-2-4. C signal calibration1 adjustment for terrestrial analog.

1. Send ECS_ADJUST_TCD3_HUE_RF command.
2. Read S-REG: READ_BACK_B00 via ECS. (READ_AREA=0).
3. Read S-REG: READ_BACK_B01 via ECS. (READ_AREA=6).
4. Confirm that 8 bits of MSB of item number 2) and 3) are within spec of the table below.

Reference Item	Spec.
READ_BACK_B0*difference value	±2

5. Switch the TV set OFF and then ON again to retain adjustment values.

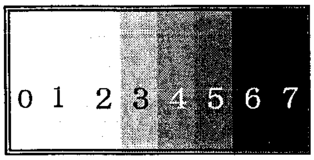
3-2-5. Set up of AD calibration1 adjustment for video.

1. Send ECS_ADJUST_LEVEL_SETTING_INIT command.
2. Ensure noise reduction NR=1 (Low), GAMMA_EN=0, P4_CVD2_85=0.
3. Set the following registration items.

Screen Size	40"	46"
TARGET_Y_RF(PAL)	165	165
ADJ_COLOR_Y_ATT(PAL)	128	128
ADJ_COLOR_PAL(PAL)	3	3

3-2-6. Y signal calibration1 adjustment for video.

1. Input PAL colour bar 75%Y, 75%C via AV1 input.



2. Send ECS_ADJUST_TCD3_CONT_V command.
3. Read the value of S-REG:APL_LUMA via ECS. Confirming that the value is within spec of the table below.

AD-Adjust Video Spec	Spec.
Reference register name	
S-REG: APL_LUMA	TARGET_Y_V±2

3-2-7. Set up of C signal calibration1 adjustment for video.

1. Input PAL colour bar 75%Y, 75%C via AV1 input.
2. Send ECS_ADJUST_LEVEL_SETTING_INIT command.
3. Ensure noise reduction NR=1 (Low), GAMMA_EN=0, P4_CVD2_85=0.
4. Set the following registration items.

Screen Size	40"	46"
ADJ_COLOR_Y_ATT(PAL)	128	128
ADJ_COLOR_PAL(PAL)	3	3

3-2-8. C signal calibration1 adjustment for video.

1. Send ECS_ADJUST_TCD3_HUE_V command.
2. Read S-REG: READ_BACK_B00 via ECS. (READ_AREA=0).
3. Read S-REG: READ_BACK_B01 via ECS. (READ_AREA=6).
4. Confirm that 8 bits of MSB of item number 2) and 3) are within spec of the table below.

Reference Item	Spec.
READ_BACK_B0*difference value	±2

5. Read S-REG: TCD3_SATURATION via ECS.
6. Switch the TV set OFF and then ON again to retain adjustment values.

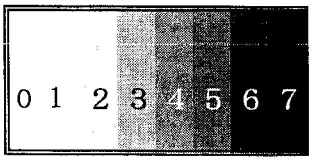
3-2-9. Set up of AD calibration2 adjustment for video.

1. Send ECS_ADJUST_LEVEL_SETTING_INIT command.
2. Ensure noise reduction NR=1 (Low), GAMMA_EN=0, P4_CVD2_85=0.
3. Set the following registration items.

Screen Size	40"	46"
TARGET_Y_V(SECAM)	165	165
ADJ_COLOR_Y_ATT(SECAM)	128	128
ADJ_COLOR_PAL(SECAM)	2	2

3-2-10. Y signal calibration2 adjustment for video.

1. Input SECAM colour bar 75%Y, 75%C via AV1 input.



2. Send ECS_ADJUST_TCD3_CONT_V command.
3. Read the value of S-REG:APL_LUMA via ECS. Confirming that the value is within spec of the table below.

AD-Adjust Video Spec	Spec.
Reference register name	
S-REG: APL_LUMA	TARGET_Y_V±2

3-2-11. Set up of C signal calibration2 adjustment for video.

1. Input SECAM colour bar 75%Y, 75%C via AV1 input.
2. Send ECS_ADJUST_LEVEL_SETTING_INIT command.
3. Ensure noise reduction NR=1 (Low), GAMMA_EN=0, P4_CVD2_85=0.
4. Set the following registration items.

Screen Size	40"	46"
ADJ_COLOR_Y_ATT(SECAM)	128	128
ADJ_COLOR_PAL(SECAM)	2	2

3-2-12. C signal calibration2 adjustment for video.

1. Send ECS_ADJUST_TCD3_HUE_V command.
2. Read S-REG: READ_BACK_B00 via ECS. (READ_AREA=0).
3. Read S-REG: READ_BACK_B01 via ECS. (READ_AREA=6).
4. Confirm that 8 bits of MSB of item number 2) and 3) are within spec of the table below.

Reference Item	Spec.
READ_BACK_B0*difference value	±2

5. Read S-REG: TCD3_SATURATION via ECS.
6. Switch the TV set OFF and then ON again to retain adjustment values.

3-3. Gamma Adjustment

The following adjustments are done via ECS.

Note: Before Gamma adjustment can begin the set needs 1 hour aging.

3-3-1. Set up mode for Gamma Adjustment

1. Send ECS_ADJUST_LEVEL_SETTING_INIT command.
2. Ensure COL_MATRIX_INDEX=4.
3. Ensure G_GAMMA_IDX_OFST=15.
4. Ensure DYNAMIC_EN=0.
5. Ensure U_BRT_OFFSET=128.

3-3-2. Set up Trident internal SG and brightness measurement

1. Ensure TEST_PATTEN_ON=1.
2. Ensure TEST_G_LEVEL=204.
3. Measure brightness A.
4. Ensure TEST_G_LEVEL=102.
5. Measure brightness B.
6. Set up G_GAMMA_OFST_01=brightness B/brightness A*10000. The result is written to G_GAMMA_OFST_01.
7. Send Gamma_Tbl_Search_1 command.
8. Ensure TEST_G_LEVEL=153.
9. Measure brightness C.
10. Set up G_GAMMA_OFST_02=brightness C/brightness A*10000. The result is written to G_GAMMA_OFST_02.
11. Send Gamma_Tbl_Search_2 command.
12. Save set up value in NVM in register G_GAM_IDX_OFST.

3-4. White Balance Adjustment

The following adjustments are done via ECS.

3-4-1. Set up mode for White Balance Adjustment

1. Send ECS_ADJUST_LEVEL_SETTING_INIT command.
2. Ensure COL_MATRIX_INDEX=3.
3. Ensure DYNAMIC_EN=0.
4. Ensure U_BRT_OFFSET=128.

3-4-2. White Balance of Colour Temperature "Cool"

1. Set up COLOR_TEMP=0.
2. Set up R_GAMMA_OFST_01=128.
3. R_GAMMA_OFST_02=128
   R_GAMMA_OFST_03=128
   R_GAMMA_OFST_04=128
   R_GAMMA_OFST_05=128
   R_GAMMA_OFST_06=128
   R_GAMMA_OFST_07=128
   B_GAMMA_OFST_01=128
   B_GAMMA_OFST_02=128
   B_GAMMA_OFST_03=128
   B_GAMMA_OFST_04=128
   B_GAMMA_OFST_05=128
   B_GAMMA_OFST_06=128
   B_GAMMA_OFST_07=128
4. Set up "Wait".
5. Set up TEST_G_LEVEL=204.
6. Adjust R_GAMMA_OFST_05 and B_GAMMA_OFST_05 chroma values so that they are within tolerance in the table below.

	X	Y	Tolerance
40"	0.1917	0.4273	0.5JND
46"	0.1926	0.4281	0.5JND

7. Set up TEST_G_LEVEL=153.
8. Adjust R_GAMMA_OFST_04 and B_GAMMA_OFST_04 chroma values so that they are within tolerance in the table below.

	X	Y	Tolerance
40"	0.1924	0.4272	0.7JND
46"	0.1934	0.4283	0.7JND

9. Set up TEST_G_LEVEL=102.
10. Adjust R_GAMMA_OFST_03 and B_GAMMA_OFST_03 chroma values so that they are within tolerance in the table below.

	X	Y	Tolerance
40"	0.1918	0.4265	1JND
46"	0.1922	0.4285	1JND

11. Set up TEST_G_LEVEL=76.
12. Adjust R_GAMMA_OFST_02 and B_GAMMA_OFST_02 chroma values so that they are within tolerance in the table below.

	X	Y	Tolerance
40"	0.1947	0.4265	1JND
46"	0.1924	0.4287	1JND

13. Set up TEST_G_LEVEL=51.
14. Adjust R_GAMMA_OFST_01 and B_GAMMA_OFST_01 chroma values so that they are within tolerance in the table below.

	X	Y	Tolerance
40"	0.1893	0.4278	1JND
46"	0.1898	0.4312	1JND

15. The values of R_GAMMA_OFST_06 and 07 and B_GAMMA_OFST_06, and 07 are determined by the following conditions.

    a). Adjustment value of B_GAMMA_OFST_05>180 and Adjustment value of R_GAMMA_OFST_05>128.

    - B(R)_GAMMA_OFST_06 = B(R)_GAMMA_OFST_05 - {B(R)_GAMMA_OFST_05 - B(R)_GAMMA_OFST_04} / 2.
    - B(R)_GAMMA_OFST_07 = 128.

    b). Adjustment value of R_GAMMA_OFST_05=<128.

    - R_GAMMA_OFST_06 = R_GAMMA_OFST_07 =R_GAMMA_OFST_04.

    c). Adjustment value of B_GAMMA_OFST_05=<180.

    - B(R)_GAMMA_OFST_06 = B(R)_GAMMA_OFST_07 =B(R)_GAMMA_OFST_05.

16. Send WB_SAVE command.

3-4-3. White Balance of Colour Temperature "Neutral"

1. Set up initial White Balance condition.
2. Set up COLOR_TEMP=1.
3. Set up TEST_G_LEVEL=204 and adjust R_DRIVE and B_DRIVE values to within the spec of the table below.

	X	Y	Spec.
40"	0.1948	0.4403	0.0014
46"	0.1949	0.4419	0.0014

4. Set up TEST_G_LEVEL=51 and adjust R_BKG and B_BKG values to within the spec of the table below.

	X	Y	Spec.
40"	0.1928	0.4406	0.0028
46"	0.1941	0.4429	0.0028

5. Continue tracking the values of items 3) and 4) until they are all within spec.
6. Send COLOR_SAVE command.

3-4-4. White Balance of Colour Temperature "Warm 1"

1. Set up initial White Balance condition.
2. Set up COLOR_TEMP=2.
3. Set up TEST_G_LEVEL=204 and adjust R_DRIVE and B_DRIVE values to within the spec of the table below.

	X	Y	Spec.
40"	0.1975	0.4484	0.0014
46"	0.1978	0.4501	0.0014

4. Set up TEST_G_LEVEL=51 and adjust R_BKG and B_BKG values to within the spec of the table below.

	X	Y	Spec.
40"	0.1964	0.4482	0.0028
46"	0.1978	0.4524	0.0028

5. Continue tracking the values of items 3) and 4) until they are all within spec.
6. Send COLOR_SAVE command.

3-4-5. White Balance of Colour Temperature "Warm 2"

1. Set up initial White Balance condition.
2. Set up COLOR_TEMP=3.
3. Set up TEST_G_LEVEL=204 and adjust R_DRIVE and B_DRIVE values to within the spec of the table below.

	X	Y	Spec.
40"	0.1988	0.4596	0.0014
46"	0.2002	0.4617	0.0014

4. Set up TEST_G_LEVEL=51 and adjust R_BKG and B_BKG values to within the spec of the table below.

	X	Y	Spec.
40"	0.1974	0.4555	0.0028
46"	0.1984	0.4599	0.0028

5. Continue tracking the values of items 3) and 4) until they are all within spec.
6. Send COLOR_SAVE command.

3-5. Panel Replacement

When replacing the panel please reset the gamma and white balance before performing W/B (See page 27, 3-4) for new panel.

3-6. Board Replacement

3-6-1. AE Board Replacement

When replacing the 'AE' board please readjust the AD (See page 25, 3-2) and readjust the W/B (See page 27, 3-4).

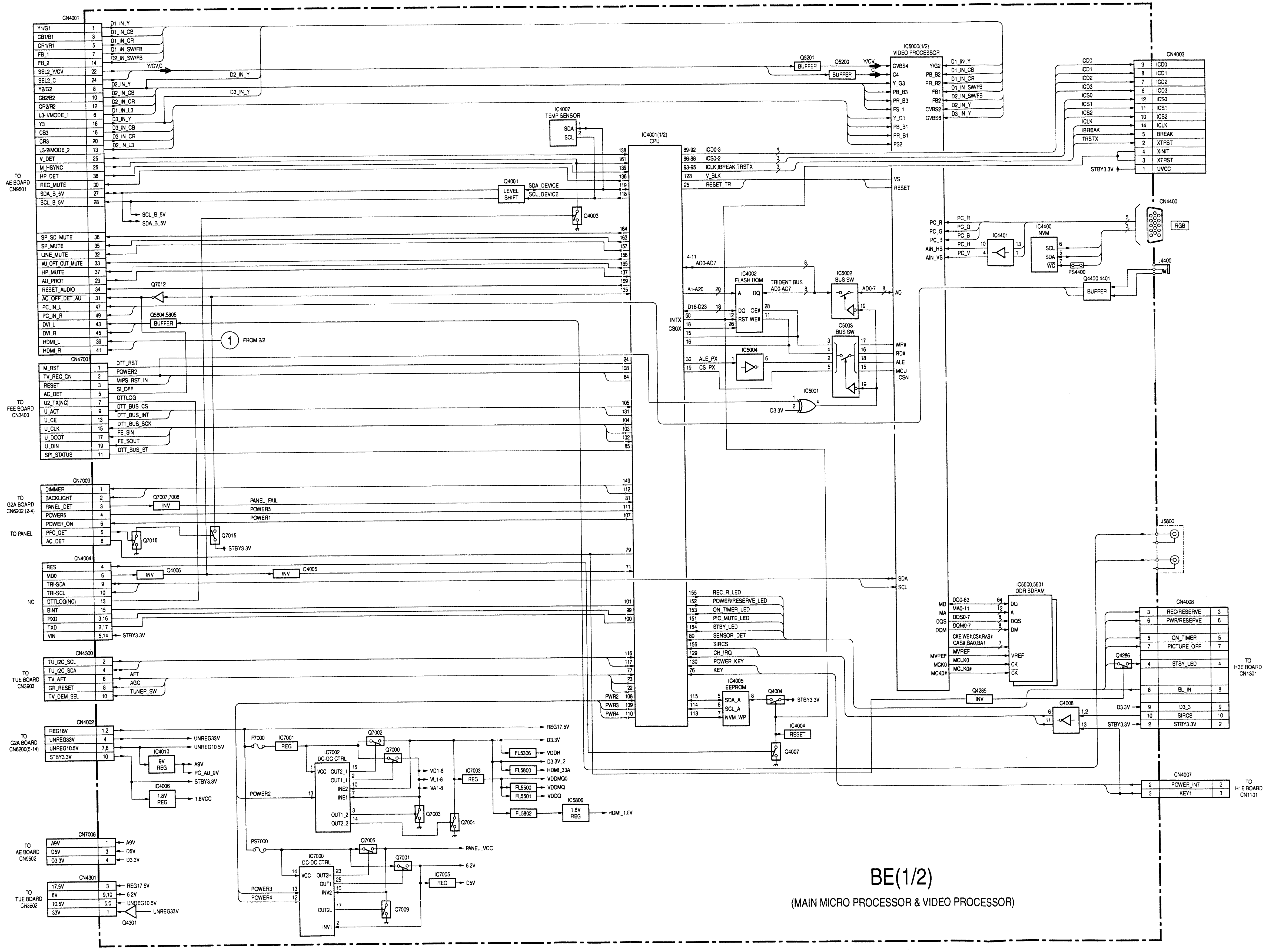
3-6-2. BE Board Replacement

When replacing the 'BE' board please readjust the AD (See page 25, 3-2) and readjust the W/B (See page 27, 3-4).

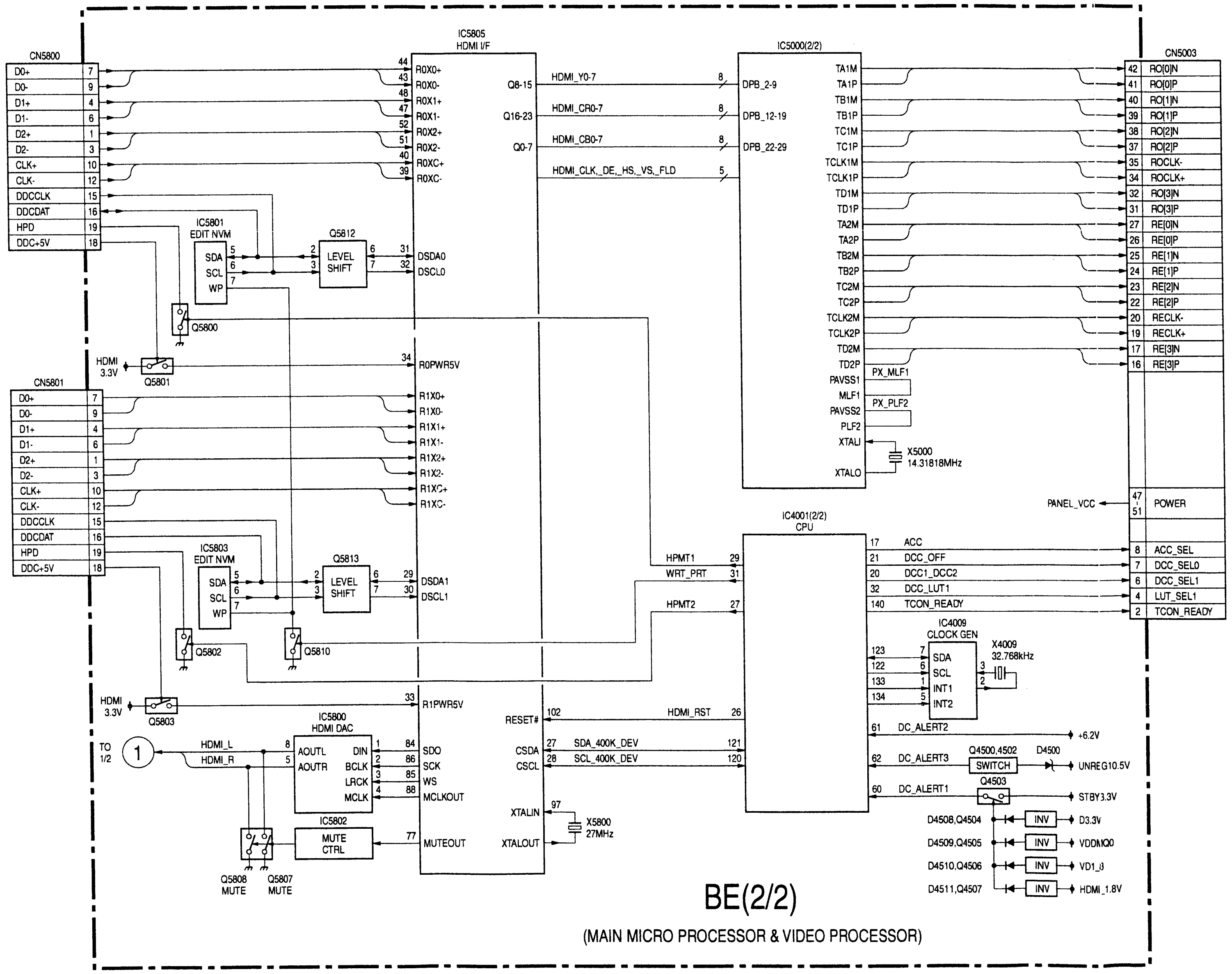
Note :

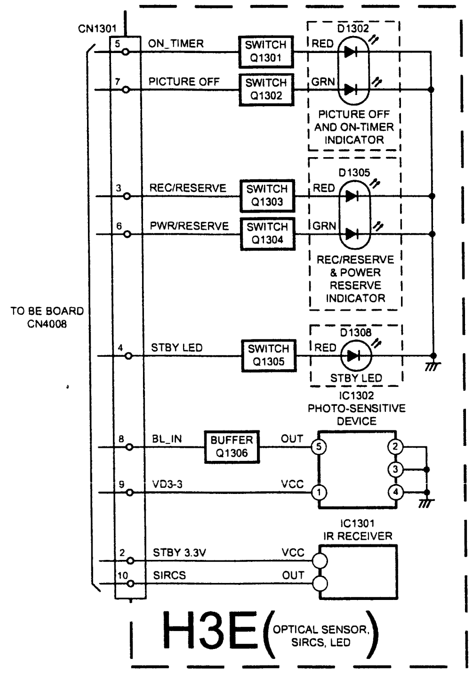
In the event of a 'BE' board being re-used in service please ensure that the Serial number is cleared in the NVM.

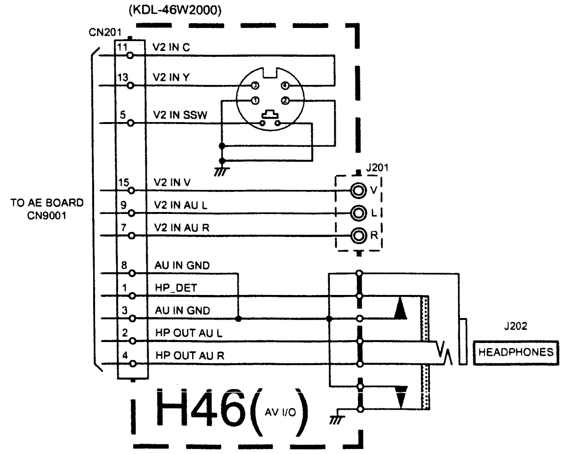
4-1. BLOCK DIAGRAMS (1)


CN4001
Y1/G1
CB1/B1
CR1/R1
FB_1
FB_2
SEL2_Y/CV
SEL2_C
Y2/G2
CB2/B2
CR2/R2
L3-1/MODE_1
Y3
CB3
CR3
L3-2/MODE_2
V_DET
M_HSYNC
HP_DET
REC_MUTE
SDA_B_5V
SCL_B_5V
SP_SD_MUTE
SP_MUTE
LINE_MUTE
AU_OPT_OUT_MUTE
HP_MUTE
AU_PROT
RESET_AUDIO
AC_OFF_DET_AU
PC_IN_L
PC_IN_R
DVI_L
DVI_R
HDMI_L
HDMI_R
TO AE BOARD CN9501
D1_IN_Y
D1_IN_CB
D1_IN_CR
D1_IN_SW/FB
D2_IN_SW/FB
Y/CV,C
D2_IN_Y
D3_IN_Y
D2_IN_CB
D2_IN_CR
D1_IN_L3
D3_IN_CB
D3_IN_CR
D2_IN_L3
SCL_B_5V
SDA_B_5V
Q7012
Q5804,5805
BUFFER
①
FROM 2/2
CN4700
M_RST
TV_REC_ON
RESET
AC_DET
U2_TX(NC)
U_ACT
U_CE
U_CLK
U_DOOT
U_DIN
SPI_STATUS
TO FEE BOARD CN3400
DTT_RST
POWER2
MIPS_RST_IN
SI_OFF
DTTLOG
DTT_BUS_CS
DTT_BUS_INT
DTT_BUS_SCK
FE_SIN
FE_SOUT
DTT_BUS_ST
CN7009
DIMMER
BACKLIGHT
PANEL_DET
POWER5
POWER_ON
PFC_DET
AC_DET
TO G2A BOARD CN6202 (2-4)
TO PANEL
Q7007,7008
INV
PANEL_FAIL
POWER5
POWER1
Q7016
Q7015
STBY3.3V
CN4004
RES
MD0
TRI-SDA
TRI-SCL
DTTLOG(NC)
BINT
RXD
TXD
VIN
NC
INV
Q4006
Q4005
STBY3.3V
CN4300
TU_I2C_SCL
TU_I2C_SDA
TV_AFT
GR_RESET
TV_DEM_SEL
TO TUE BOARD CN3903
AFT
AGC
TUNER_SW
CN4002
REG18V
UNREG33V
UNREG10.5V
STBY3.3V
TO G2A BOARD CN6200(5-14)
UNREG33V
UNREG10.5V
IC4010
9V REG
A9V
PC_AU_9V
STBY3.3V
IC4006
1.8V REG
1.8VCC
CN7008
A9V
D5V
D3.3V
TO AE BOARD CN9502
CN4301
17.5V
6V
10.5V
33V
TO TUE BOARD CN3802
REG17.5V
6.2V
UNREG10.5V
UNREG33V
Q4301
IC4007
TEMP SENSOR
SDA
SCL
Q4001
LEVEL SHIFT
SDA_DEVICE
SCL_DEVICE
Q4003
IC4001(1/2)
CPU
89-92
86-88
93-95
ICD0-3
ICS0-2
ICLK,IBREAK,TRSTX
V_BLK
RESET_TR
4-11
AD0-AD7
A1-A20
D16-D23
INTX
CS0X
ALE_PX
CS_PX
IC4002
FLASH ROM
TRIDENT BUS
AD0-AD7
A
DQ
OE#
RST
WE#
IC5002
BUS SW
IC5003
BUS SW
IC5004
IC5001
D3.3V
AD0-7
AD
WR#
RD#
ALE
MCU_CSN
VS
RESET
Q5201
BUFFER
Q5200
BUFFER
Y/CV
IC5000(1/2)
VIDEO PROCESSOR
CVBS4
C4
Y_G3
PB_B3
PR_B3
FS_1
Y_G1
PB_B1
PR_B1
FS2
Y/G2
PB_B2
PR_R2
FB1
FB2
CVBS2
CVBS6
D1_IN_Y
D1_IN_CB
D1_IN_CR
D1_IN_SW/FB
D2_IN_SW/FB
D2_IN_Y
D3_IN_Y
SDA
SCL
REC_R_LED
POWER/RESERVE_LED
ON_TIMER_LED
PIC_MUTE_LED
STBY_LED
SENSOR_DET
SIRCS
CH_IRQ
POWER_KEY
KEY
PWR2
PWR3
PWR4
IC4005
EEPROM
SDA_A
SCL_A
NVM_WP
Q4004
STBY3.3V
IC4004
RESET
Q4007
ICD0
ICD1
ICD2
ICD3
ICS0
ICS1
ICS2
ICLK
IBREAK
TRSTX
STBY3.3V
CN4003
ICD0
ICD1
ICD2
ICD3
ICS0
ICS1
ICS2
ICLK
BREAK
XTRST
XINIT
XTRST
UVCC
CN4400
RGB
PC_R
PC_G
PC_B
PC_H
PC_V
AIN_HS
AIN_VS
IC4401
IC4400
NVM
SCL
SDA
WC
PS4400
Q4400,4401
BUFFER
J4400
J5800
IC5500,5501
DDR SDRAM
MD
MA
DQS
DQM
DQ0-63
MA0-11
DQS0-7
DQM0-7
CKE,WE#,CS#,RAS#
CAS#,BA0,BA1
MVREF
MCLK0
MCLK0#
DQ
A
DQS
DM
VREF
CK
CK
CN4008
REC/RESERVE
PWR/RESERVE
ON_TIMER
PICTURE_OFF
STBY_LED
BL_IN
D3_3
SIRCS
STBY3.3V
Q4286
Q4285
INV
IC4008
D3.3V
STBY3.3V
TO H3E BOARD CN1301
CN4007
POWER_INT
KEY1
TO H1E BOARD CN1101
F7000
IC7001
REG
REG17.5V
D3.3V
Q7002
Q7000
IC7002
DC-DC CTRL
VCC
OUT2_1
OUT1_1
INE2
INE1
OUT1_2
OUT2_2
POWER2
VD1-8
VL1-8
VA1-8
IC7003
REG
Q7003
Q7004
FL5306
FL5800
FL5500
FL5501
FL5802
VDDH
D3.3V_2
HDMI_33A
VDDMQ0
VDDMQ
VDDQ
IC5806
1.8V REG
HDMI_1.6V
PS7000
Q7005
PANEL_VCC
IC7000
DC-DC CTRL
VCC
OUT2H
OUT1
INV2
OUT2L
INV1
Q7001
6.2V
IC7005
REG
D5V
POWER3
POWER4
Q7009
BE(1/2)
(MAIN MICRO PROCESSOR & VIDEO PROCESSOR)

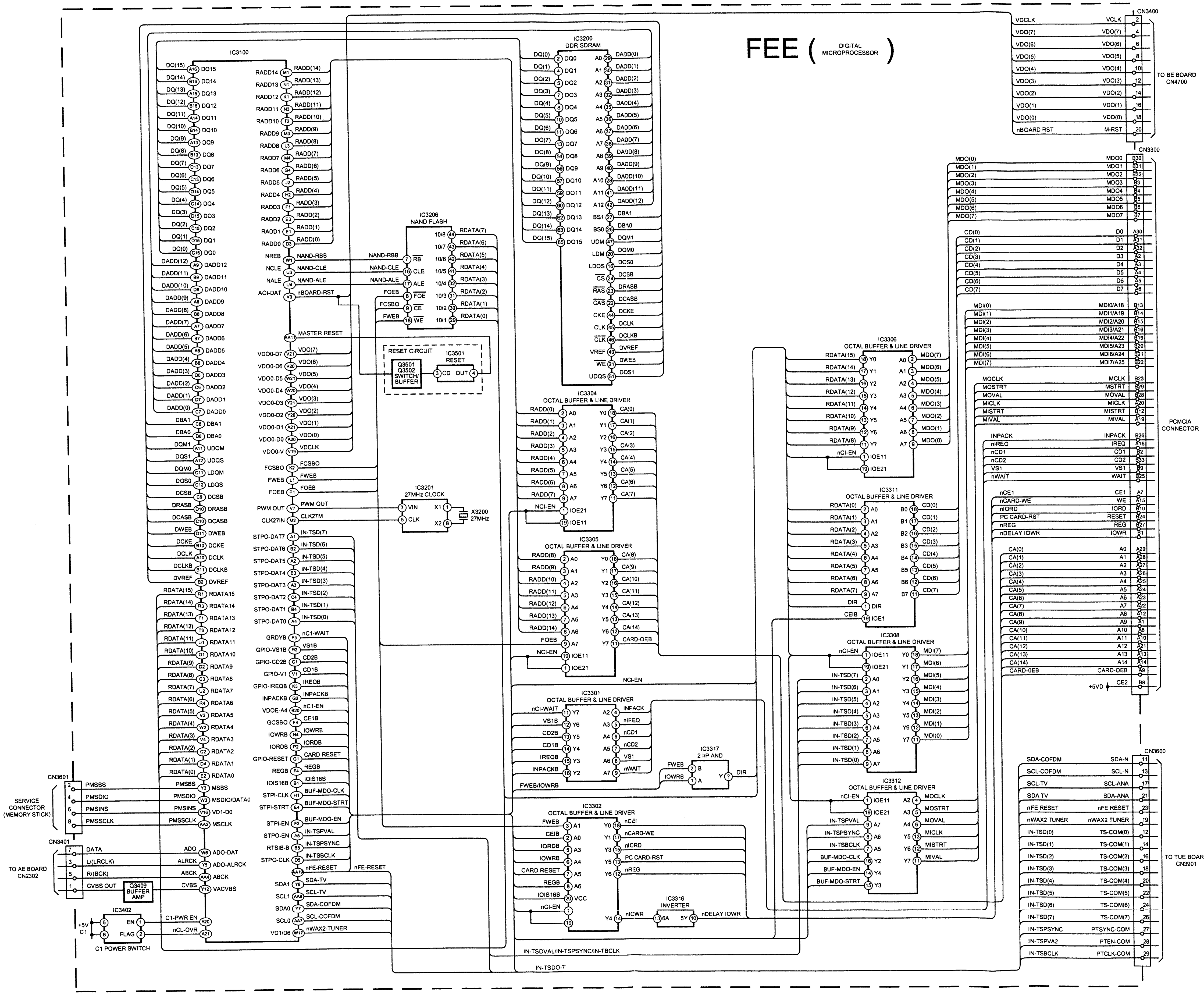
4-1. BLOCK DIAGRAMS (2)


BE(2/2)
(MAIN MICRO PROCESSOR & VIDEO PROCESSOR)
CN5800
CN5801
IC5805 HDMI I/F
IC5000(2/2)
IC4001(2/2) CPU
IC5801 EDIT NVM
IC5803 EDIT NVM
Q5812 LEVEL SHIFT
Q5813 LEVEL SHIFT
IC5800 HDMI DAC
IC5802 MUTE CTRL
IC4009 CLOCK GEN
X5000 14.31818MHz
X5800 27MHz
X4009 32.768kHz
CN5003
TO LCD PANEL
PANEL_VCC
POWER
HDMI_Y0-7
HDMI_CR0-7
HDMI_CB0-7
HDMI_CLK_DE_HS_VS_FLD
HPMT1
WRT_PRT
HPMT2
HDMI_RST
SDA_400K_DEV
SCL_400K_DEV
ACC
DCC_OFF
DCC1_DCC2
DCC_LUT1
TCON_READY
ACC_SEL
DCC_SEL0
DCC_SEL1
LUT_SEL1
DC_ALERT2
DC_ALERT3
DC_ALERT1
Q4500,4502 SWITCH
D4500
Q4503
+6.2V
UNREG10.5V
STBY3.3V
D4508,Q4504 INV D3.3V
D4509,Q4505 INV VDDMOO
D4510,Q4506 INV VD1_8
D4511,Q4507 INV HDMI_1.8V
HDMI 3.3V
Q5800
Q5801
Q5802
Q5803
Q5810
TO 1/2
①
HDMI_L
HDMI_R
Q5808 MUTE
Q5807 MUTE


H3E(OPTICAL SENSOR, SIRCS, LED)
CN1301
TO BE BOARD CN4008
ON_TIMER
PICTURE OFF
REC/RESERVE
PWR/RESERVE
STBY LED
BL_IN
VD3-3
STBY 3.3V
SIRCS
SWITCH Q1301
SWITCH Q1302
SWITCH Q1303
SWITCH Q1304
SWITCH Q1305
BUFFER Q1306
D1302
PICTURE OFF AND ON-TIMER INDICATOR
D1305
REC/RESERVE & POWER RESERVE INDICATOR
D1308
STBY LED
IC1302 PHOTO-SENSITIVE DEVICE
IC1301 IR RECEIVER
RED
GRN
OUT
VCC

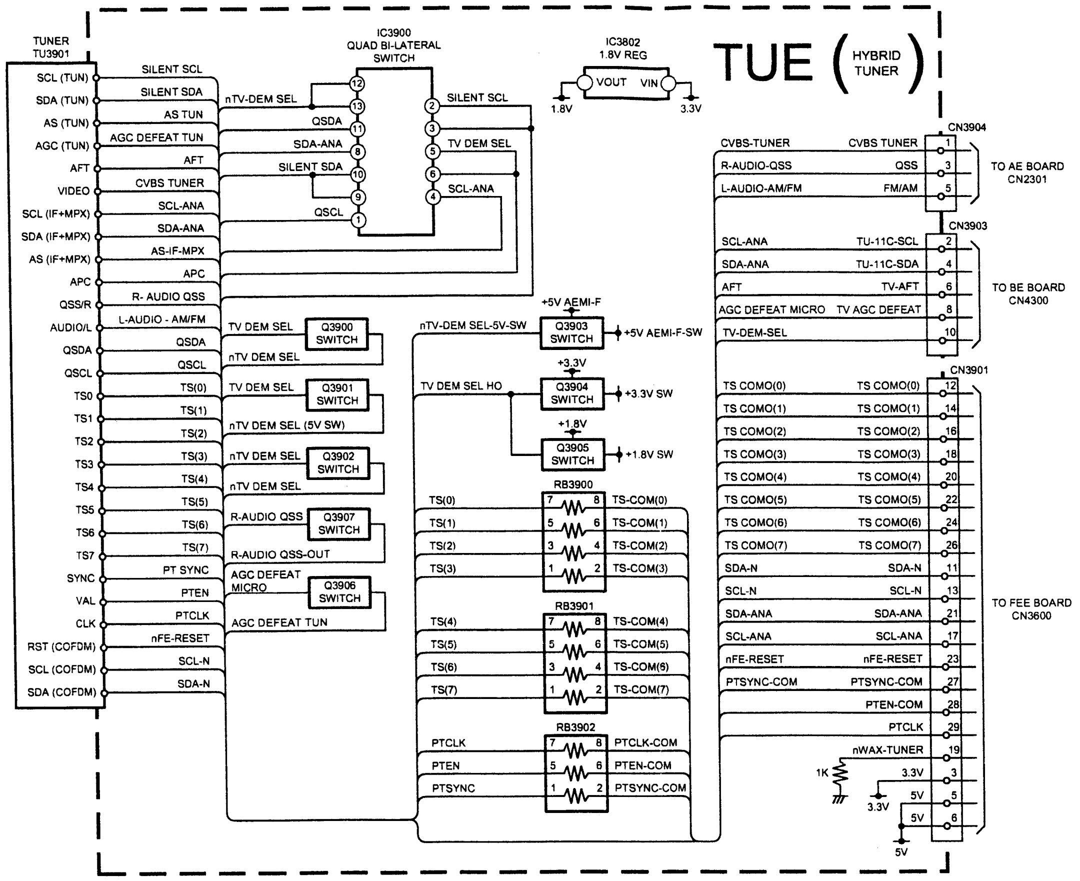

(KDL-46W2000)
CN201
TO AE BOARD CN9001
V2 IN C
V2 IN Y
V2 IN SSW
V2 IN V
V2 IN AU L
V2 IN AU R
AU IN GND
HP_DET
AU IN GND
HP OUT AU L
HP OUT AU R
J201
V
L
R
J202
HEADPHONES
H46(AV I/O)

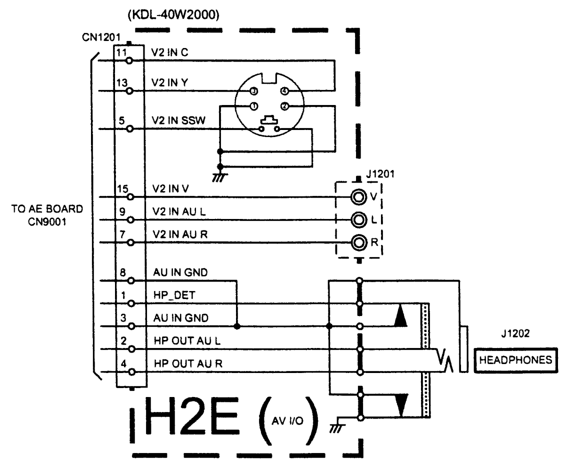
4-1. BLOCK DIAGRAMS (3)

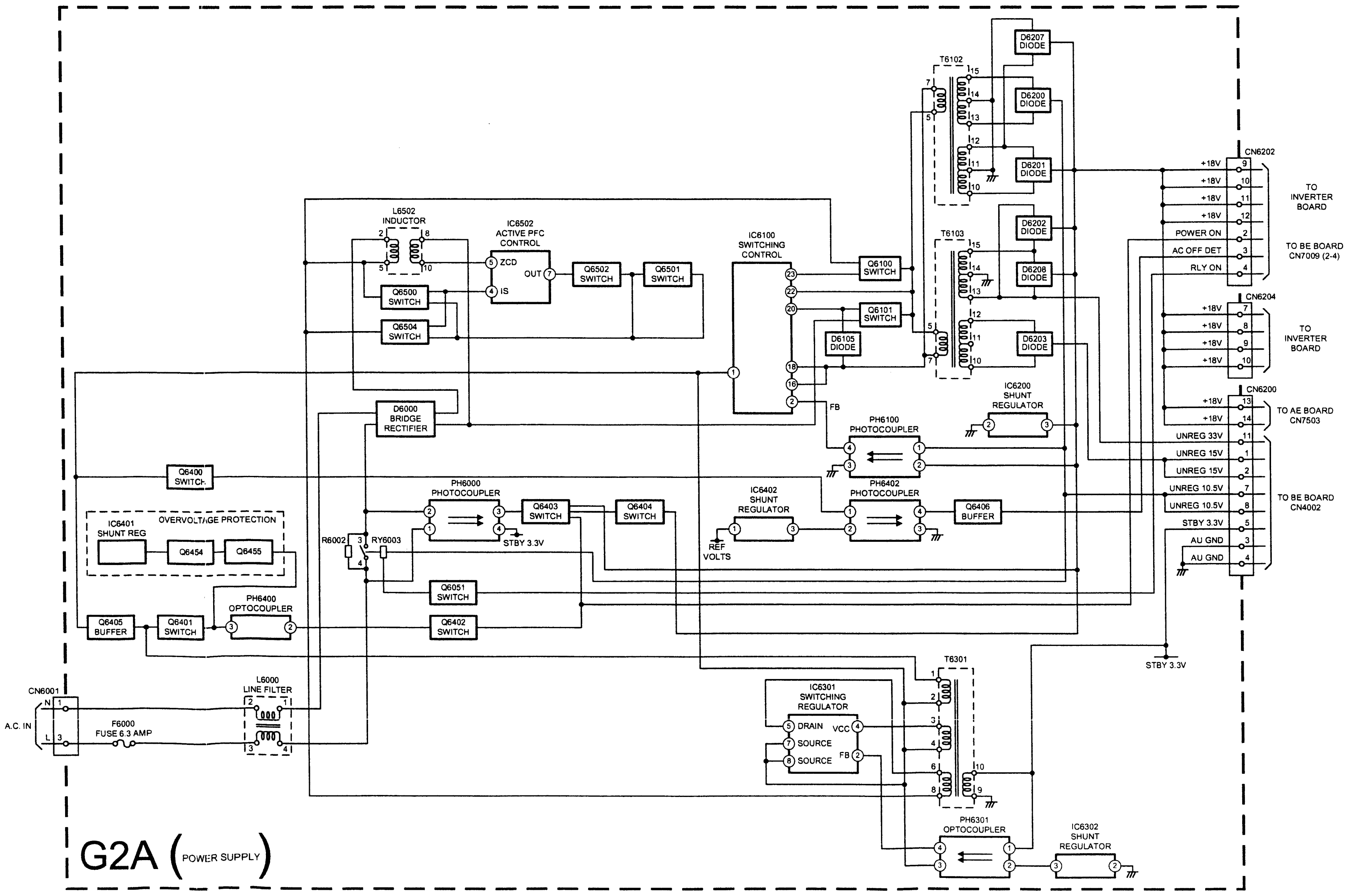


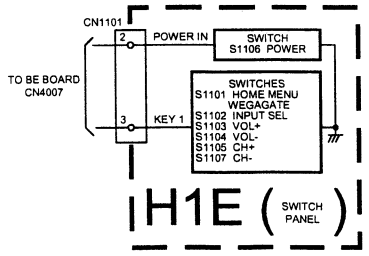
FEE (DIGITAL MICROPROCESSOR)
IC3100
IC3200 DDR SDRAM
IC3206 NAND FLASH
RESET CIRCUIT
Q3501 Q3502 SWITCH/ BUFFER
IC3501 RESET
MASTER RESET
IC3201 27MHz CLOCK
X3200 27MHz
IC3304 OCTAL BUFFER & LINE DRIVER
IC3305 OCTAL BUFFER & LINE DRIVER
IC3301 OCTAL BUFFER & LINE DRIVER
IC3302 OCTAL BUFFER & LINE DRIVER
IC3317 2 I/P AND
IC3316 INVERTER
IC3306 OCTAL BUFFER & LINE DRIVER
IC3311 OCTAL BUFFER & LINE DRIVER
IC3308 OCTAL BUFFER & LINE DRIVER
IC3312 OCTAL BUFFER & LINE DRIVER
CN3400
TO BE BOARD CN4700
CN3300
PCMCIA CONNECTOR
CN3600
TO TUE BOARD CN3901
CN3601
SERVICE CONNECTOR (MEMORY STICK)
CN3401
TO AE BOARD CN2302
Q3409 BUFFER AMP
IC3402
C1 POWER SWITCH
+5V
C1
+5VD
NCI-EN
IN-TSDVAL/IN-TSPSYNC/IN-TBCLK
IN-TSDO-7
nFE-RESET

4-1. BLOCK DIAGRAMS (4)

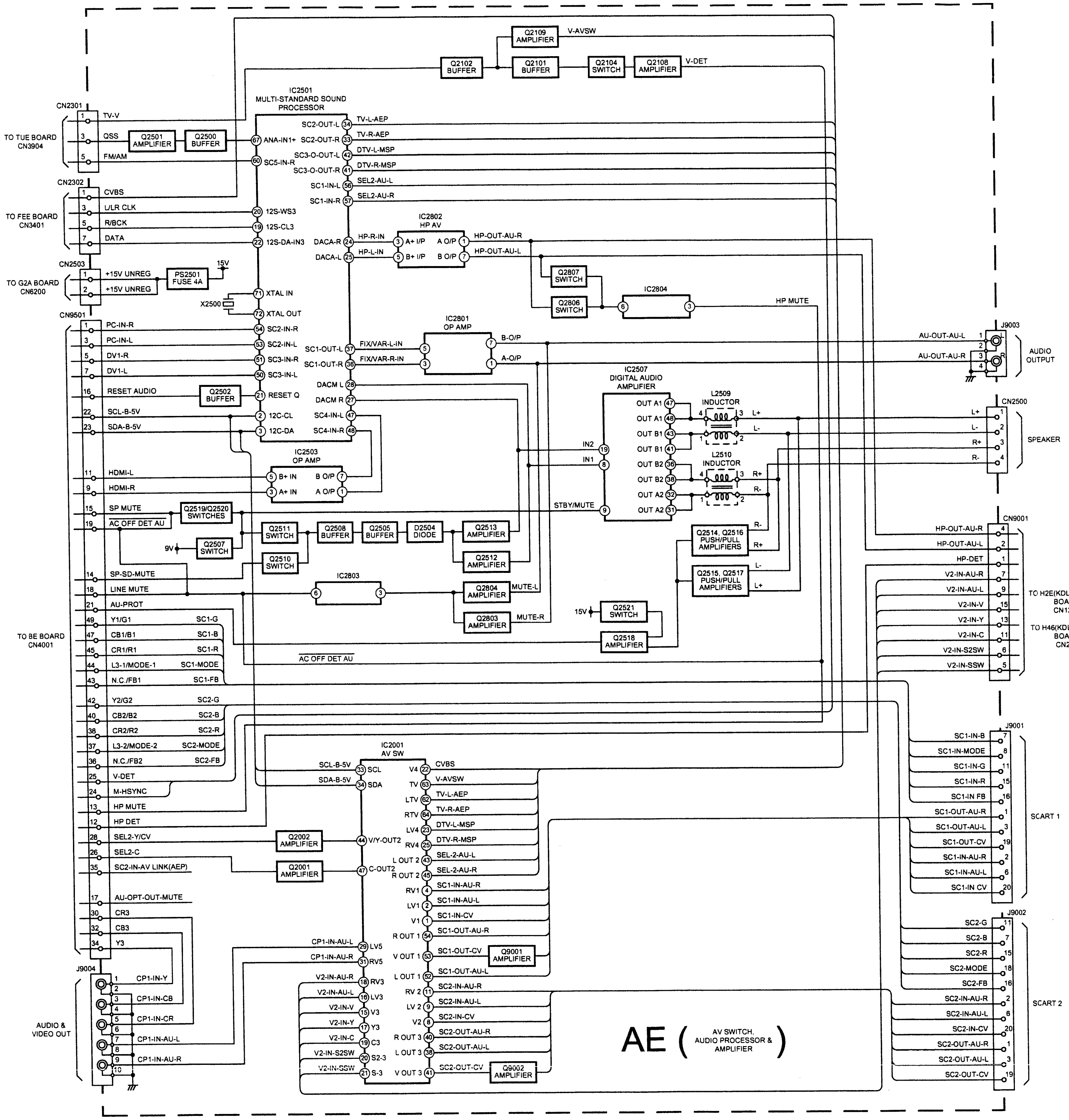

TUE (HYBRID TUNER)
TUNER TU3901
SCL (TUN)
SDA (TUN)
AS (TUN)
AGC (TUN)
AFT
VIDEO
SCL (IF+MPX)
SDA (IF+MPX)
AS (IF+MPX)
APC
QSS/R
AUDIO/L
QSDA
QSCL
TS0
TS1
TS2
TS3
TS4
TS5
TS6
TS7
SYNC
VAL
CLK
RST (COFDM)
SCL (COFDM)
SDA (COFDM)
IC3900 QUAD BI-LATERAL SWITCH
IC3802 1.8V REG
VOUT
VIN
1.8V
3.3V
SILENT SCL
SILENT SDA
AS TUN
AGC DEFEAT TUN
CVBS TUNER
SCL-ANA
SDA-ANA
AS-IF-MPX
R- AUDIO QSS
L-AUDIO - AM/FM
nTV-DEM SEL
TV DEM SEL
Q3900 SWITCH
Q3901 SWITCH
Q3902 SWITCH
Q3903 SWITCH
Q3904 SWITCH
Q3905 SWITCH
Q3906 SWITCH
Q3907 SWITCH
nTV DEM SEL (5V SW)
R-AUDIO QSS-OUT
AGC DEFEAT MICRO
AGC DEFEAT TUN
+5V AEMI-F
+5V AEMI-F-SW
nTV-DEM SEL-5V-SW
+3.3V
+3.3V SW
+1.8V
+1.8V SW
RB3900
RB3901
RB3902
TS-COM(0)
TS-COM(1)
TS-COM(2)
TS-COM(3)
TS-COM(4)
TS-COM(5)
TS-COM(6)
TS-COM(7)
PTCLK
PTEN
PTSYNC
PTCLK-COM
PTEN-COM
PTSYNC-COM
CVBS-TUNER
R-AUDIO-QSS
L-AUDIO-AM/FM
FM/AM
QSS
TU-11C-SCL
TU-11C-SDA
TV-AFT
AGC DEFEAT MICRO
TV AGC DEFEAT
TV-DEM-SEL
TS COMO(0)
TS COMO(1)
TS COMO(2)
TS COMO(3)
TS COMO(4)
TS COMO(5)
TS COMO(6)
TS COMO(7)
SDA-N
SCL-N
nFE-RESET
PTSYNC-COM
PTEN-COM
nWAX-TUNER
1K
3.3V
5V
CN3904
CN3903
CN3901
TO AE BOARD CN2301
TO BE BOARD CN4300
TO FEE BOARD CN3600


(KDL-40W2000)
CN1201
V2 IN C
V2 IN Y
V2 IN SSW
V2 IN V
V2 IN AU L
V2 IN AU R
AU IN GND
HP_DET
AU IN GND
HP OUT AU L
HP OUT AU R
TO AE BOARD CN9001
J1201
V
L
R
J1202
HEADPHONES
H2E (AV I/O)

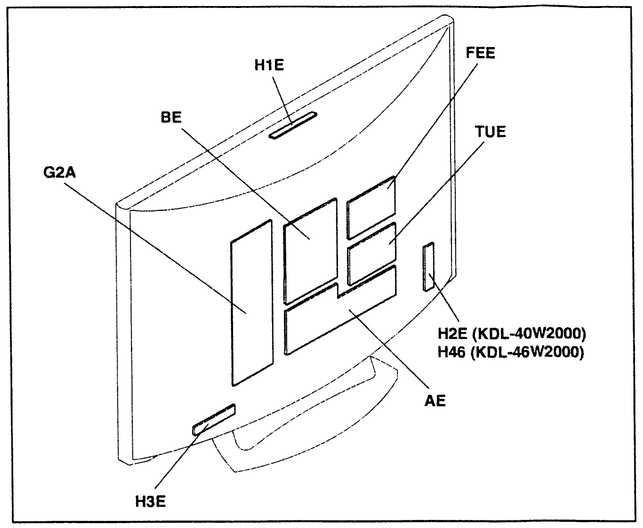

T6102
T6103
D6207 DIODE
D6200 DIODE
D6201 DIODE
D6202 DIODE
D6208 DIODE
D6203 DIODE
D6105 DIODE
L6502 INDUCTOR
IC6502 ACTIVE PFC CONTROL
ZCD
IS
OUT
Q6502 SWITCH
Q6501 SWITCH
Q6500 SWITCH
Q6504 SWITCH
IC6100 SWITCHING CONTROL
Q6100 SWITCH
Q6101 SWITCH
FB
D6000 BRIDGE RECTIFIER
PH6100 PHOTOCOUPLER
IC6200 SHUNT REGULATOR
Q6400 SWITCH
PH6000 PHOTOCOUPLER
Q6403 SWITCH
Q6404 SWITCH
STBY 3.3V
IC6402 SHUNT REGULATOR
REF VOLTS
PH6402 PHOTOCOUPLER
Q6406 BUFFER
IC6401 SHUNT REG
OVERVOLTAGE PROTECTION
Q6454
Q6455
R6002
RY6003
Q6051 SWITCH
Q6402 SWITCH
PH6400 OPTOCOUPLER
Q6405 BUFFER
Q6401 SWITCH
CN6001
A.C. IN
N
L
F6000 FUSE 6.3 AMP
L6000 LINE FILTER
T6301
IC6301 SWITCHING REGULATOR
DRAIN
VCC
SOURCE
SOURCE
FB
PH6301 OPTOCOUPLER
IC6302 SHUNT REGULATOR
CN6202
+18V
POWER ON
AC OFF DET
RLY ON
CN6204
CN6200
UNREG 33V
UNREG 15V
UNREG 10.5V
STBY 3.3V
AU GND
TO INVERTER BOARD
TO BE BOARD CN7009 (2-4)
TO INVERTER BOARD
TO AE BOARD CN7503
TO BE BOARD CN4002
G2A (POWER SUPPLY)


CN1101
POWER IN
SWITCH S1106 POWER
SWITCHES
S1101 HOME MENU WEGAGATE
S1102 INPUT SEL
S1103 VOL+
S1104 VOL-
S1105 CH+
S1107 CH-
KEY 1
TO BE BOARD CN4007
H1E (SWITCH PANEL)

4-1. BLOCK DIAGRAMS (5)


IC2501
MULTI-STANDARD SOUND PROCESSOR
IC2802
HP AV
IC2801
OP AMP
IC2507
DIGITAL AUDIO AMPLIFIER
IC2503
OP AMP
IC2804
IC2803
IC2001
AV SW
Q2109 AMPLIFIER
Q2102 BUFFER
Q2101 BUFFER
Q2104 SWITCH
Q2108 AMPLIFIER
Q2501 AMPLIFIER
Q2500 BUFFER
PS2501 FUSE 4A
Q2502 BUFFER
Q2519/Q2520 SWITCHES
Q2507 SWITCH
Q2511 SWITCH
Q2508 BUFFER
Q2505 BUFFER
D2504 DIODE
Q2513 AMPLIFIER
Q2512 AMPLIFIER
Q2510 SWITCH
Q2804 AMPLIFIER
Q2803 AMPLIFIER
Q2807 SWITCH
Q2806 SWITCH
L2509 INDUCTOR
L2510 INDUCTOR
Q2514, Q2516 PUSH/PULL AMPLIFIERS
Q2515, Q2517 PUSH/PULL AMPLIFIERS
Q2521 SWITCH
Q2518 AMPLIFIER
Q2002 AMPLIFIER
Q2001 AMPLIFIER
Q9001 AMPLIFIER
Q9002 AMPLIFIER
CN2301
TO TUE BOARD CN3904
CN2302
TO FEE BOARD CN3401
CN2503
TO G2A BOARD CN6200
CN9501
TO BE BOARD CN4001
J9004
AUDIO & VIDEO OUT
J9003
AUDIO OUTPUT
CN2500
SPEAKER
CN9001
TO H2E(KDL-40W2000) BOARD CN1201
TO H46(KDL-46W2000) BOARD CN201
J9001
SCART 1
J9002
SCART 2
X2500
HP MUTE
AC OFF DET AU
V-AVSW
V-DET
AE (AV SWITCH, AUDIO PROCESSOR & AMPLIFIER)

4-2. CIRCUIT BOARD LOCATION


H1E
FEE
BE
TUE
G2A
H2E (KDL-40W2000)
H46 (KDL-46W2000)
AE
H3E

4-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted.
- pF : µµF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

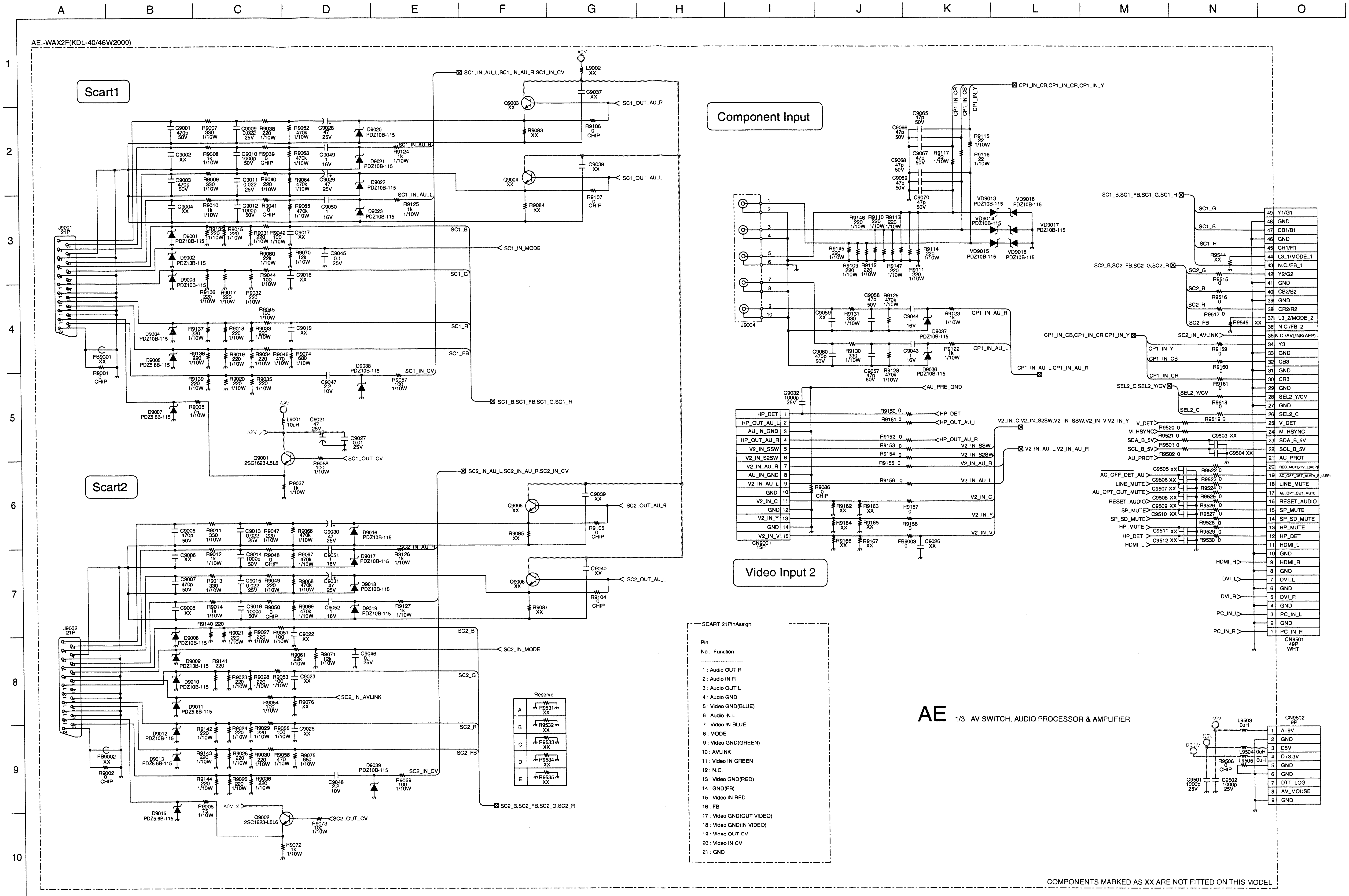
- Chip resistors are 1/10W
- All resistors are in ohms.
  k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- ☐ : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- ━━ : B + bus.
- ▬ ▬ ▬ : B - bus.
- : RF signal path.
- ⊥ : earth - ground.
- ⏚ : earth - chassis.

Reference Information

RESISTOR	**RN**	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	**LF-8L**	: MICRO INDUCTOR
CAPACITOR	**TA**	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

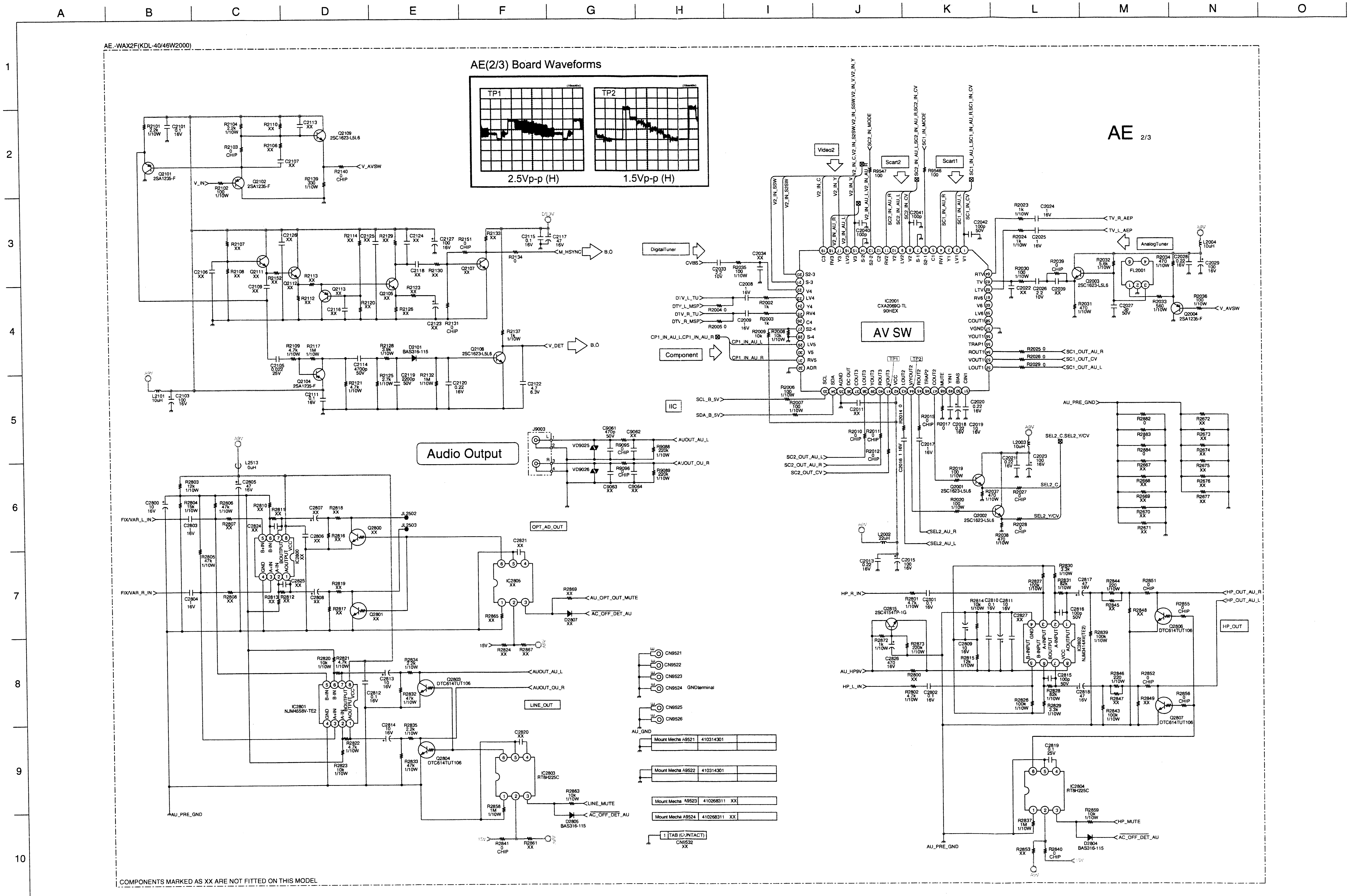

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
AE.-WAX2F(KDL-40/46W2000)
Scart1
Scart2
Component Input
Video Input 2
J9001
21P
J9002
21P
J9004
SC1_IN_AU_L,SC1_IN_AU_R,SC1_IN_CV
SC1_OUT_AU_R
SC1_OUT_AU_L
SC1_IN_MODE
SC1_B
SC1_G
SC1_R
SC1_FB
SC1_IN_CV
SC1_B,SC1_FB,SC1_G,SC1_R
SC1_OUT_CV
SC2_IN_AU_L,SC2_IN_AU_R,SC2_IN_CV
SC2_OUT_AU_R
SC2_OUT_AU_L
SC2_IN_MODE
SC2_IN_AVLINK
SC2_B
SC2_G
SC2_R
SC2_FB
SC2_IN_CV
SC2_B,SC2_FB,SC2_G,SC2_R
SC2_OUT_CV
Q9001
2SC1623-L5L6
Q9002
2SC1623-L5L6
Q9003
Q9004
Q9005
Q9006
L9001
10uH
L9002
FB9001
FB9002
CP1_IN_CB,CP1_IN_CR,CP1_IN_Y
CP1_IN_CR
CP1_IN_CB
CP1_IN_Y
CP1_IN_AU_R
CP1_IN_AU_L
CP1_IN_AU_L,CP1_IN_AU_R
AU_PRE_GND
HP_DET
HP_OUT_AU_L
HP_OUT_AU_R
V2_IN_S2SW
V2_IN_AU_R
V2_IN_AU_L
V2_IN_C
V2_IN_Y
V2_IN_V
V2_IN_C,V2_IN_S2SW,V2_IN_SSW,V2_IN_V,V2_IN_Y
V2_IN_AU_L,V2_IN_AU_R
CN9001
15P
1 HP_DET
2 HP_OUT_AU_L
3 AU_IN_GND
4 HP_OUT_AU_R
5 V2_IN_SSW
6 V2_IN_S2SW
7 V2_IN_AU_R
8 AU_IN_GND
9 V2_IN_AU_L
10 GND
11 V2_IN_C
12 GND
13 V2_IN_Y
14 GND
15 V2_IN_V
SC1_B,SC1_FB,SC1_G,SC1_R
SC2_B,SC2_FB,SC2_G,SC2_R
CP1_IN_CB,CP1_IN_CR,CP1_IN_Y
SEL2_C,SEL2_Y/CV
SC1_G
SC1_B
SC1_R
SC2_G
SC2_B
SC2_R
SC2_FB
SC2_IN_AVLINK
CP1_IN_Y
CP1_IN_CB
CP1_IN_CR
SEL2_Y/CV
SEL2_C
V_DET
M_HSYNC
SDA_B_5V
SCL_B_5V
AU_PROT
AC_OFF_DET_AU
LINE_MUTE
AU_OPT_OUT_MUTE
RESET_AUDIO
SP_MUTE
SP_SD_MUTE
HP_MUTE
HP_DET
HDMI_L
HDMI_R
DVI_L
DVI_R
PC_IN_L
PC_IN_R
49 Y1/G1
48 GND
47 CB1/B1
46 GND
45 CR1/R1
44 L3_1/MODE_1
43 N.C./FB_1
42 Y2/G2
41 GND
40 CB2/B2
39 GND
38 CR2/R2
37 L3_2/MODE_2
36 N.C./FB_2
35 N.C./AVLINK(AEP)
34 Y3
33 GND
32 CB3
31 GND
30 CR3
29 GND
28 SEL2_Y/CV
27 GND
26 SEL2_C
25 V_DET
24 M_HSYNC
23 SDA_B_5V
22 SCL_B_5V
21 AU_PROT
20 REC_MUTE/TV_L(AEP)
19 AC_OFF_DET_AU/TV_R_(AEP)
18 LINE_MUTE
17 AU_OPT_OUT_MUTE
16 RESET_AUDIO
15 SP_MUTE
14 SP_SD_MUTE
13 HP_MUTE
12 HP_DET
11 HDMI_L
10 GND
9 HDMI_R
8 GND
7 DVI_L
6 GND
5 DVI_R
4 GND
3 PC_IN_L
2 GND
1 PC_IN_R
CN9501
49P
WHT
CN9502
9P
1 A+9V
2 GND
3 D5V
4 D+3.3V
5 GND
6 GND
7 DTT_LOG
8 AV_MOUSE
9 GND
L9503
L9504
L9505
R9506
C9501
C9502
Reserve
A R9531 XX
B R9532 XX
C R9533 XX
D R9534 XX
E R9535 XX
AE
1/3 AV SWITCH, AUDIO PROCESSOR & AMPLIFIER
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

SCART 21PinAssign

Pin
No.: Function

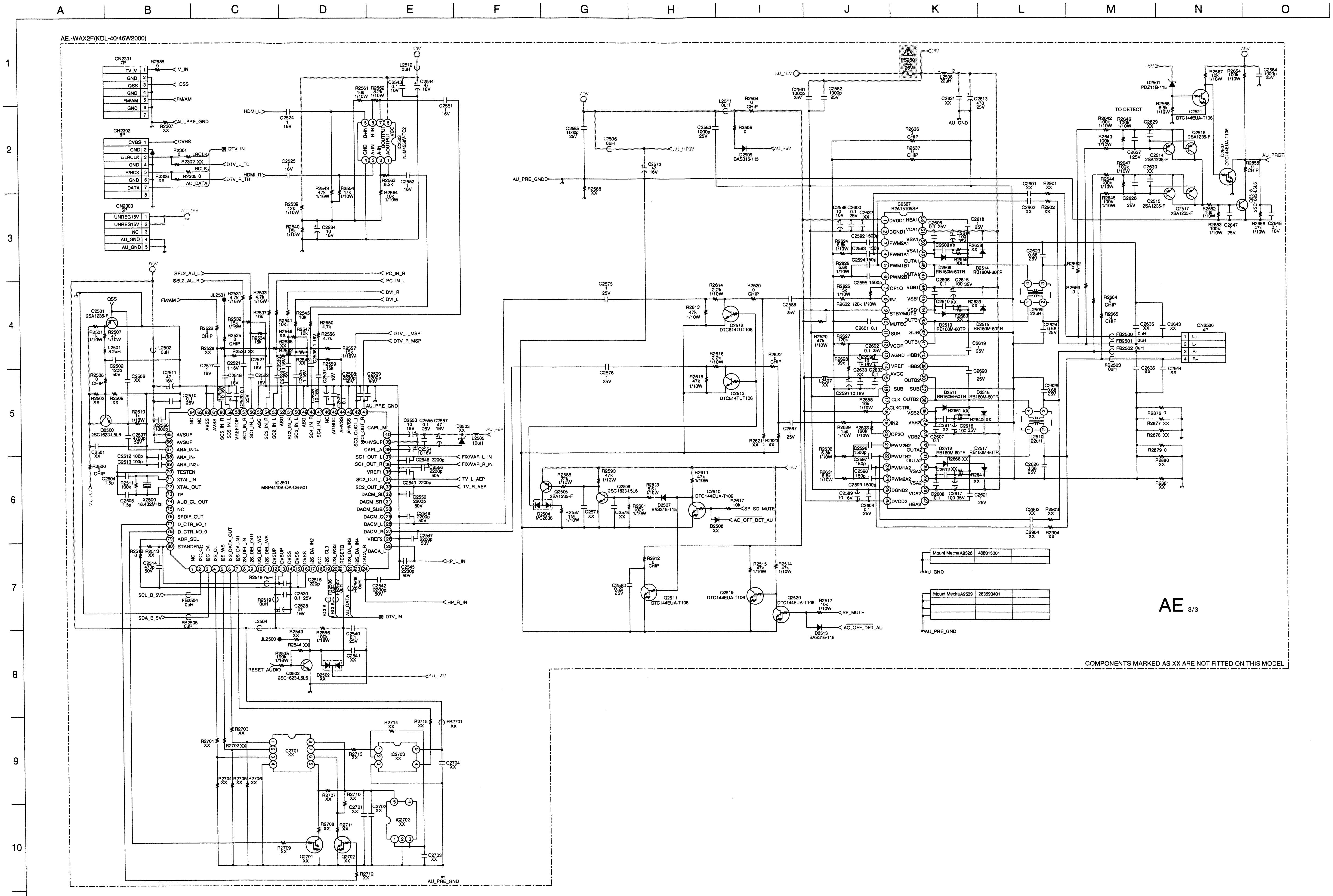
1 : Audio OUT R
2 : Audio IN R
3 : Audio OUT L
4 : Audio GND
5 : Video GND(BLUE)
6 : Audio IN L
7 : Video IN BLUE
8 : MODE
9 : Video GND(GREEN)
10 : AVLINK
11 : Video IN GREEN
12 : N.C.
13 : Video GND(RED)
14 : GND(FB)
15 : Video IN RED
16 : FB
17 : Video GND(OUT VIDEO)
18 : Video GND(IN VIDEO)
19 : Video OUT CV
20 : Video IN CV
21 : GND

~ AE Board Schematic Diagram [AV Switch, Audio Processor & Amplifier] Page 1/3 ~


AE.-WAX2F(KDL-40/46W2000)
AE(2/3) Board Waveforms
TP1
TP2
2.5Vp-p (H)
1.5Vp-p (H)
AE 2/3
AV SW
IC2001
CXA2069Q-TL
90HEX
Audio Output
Video2
Scart2
Scart1
DigitalTuner
AnalogTuner
Component
IIC
CVBS
V_IN
V_AVSW
M_HSYNC
V_DET
B.O
TV_R_AEP
TV_L_AEP
SC1_OUT_AU_R
SC1_OUT_CV
SC1_OUT_AU_L
SCL_B_5V
SDA_B_5V
SC2_OUT_AU_L
SC2_OUT_AU_R
SC2_OUT_CV
SEL2_AU_R
SEL2_AU_L
SEL2_C
SEL2_Y/CV
AU_PRE_GND
FIX/VAR_L_IN
FIX/VAR_R_IN
AUOUT_AU_L
AUOUT_OU_R
OPT_AD_OUT
AU_OPT_OUT_MUTE
AC_OFF_DET_AU
LINE_OUT
LINE_MUTE
HP_MUTE
HP_R_IN
HP_L_IN
AU_HP9V
HP_OUT_AU_R
HP_OUT_AU_L
HP_OUT
J9003
IC2800
IC2801
NJM4558V-TE2
IC2802
NJM4558V(TE2)
IC2803
RT8H225C
IC2804
RT8H225C
IC2805
CN9521
CN9522
CN9523
CN9524 GNDterminal
CN9525
CN9526
AU_GND
Mount Mecha A9521 410314301
Mount Mecha A9522 410314301
Mount Mecha A9523 410268311 XX
Mount Mecha A9524 410268311 XX
1 TAB (CONTACT)
CN9532
XX
FL2001
Q2101 2SA1235-F
Q2102 2SA1235-F
Q2109 2SC1623-L5L6
Q2108 2SC1623-L5L6
Q2104 2SA1235-F
Q2003 2SC1623-L5L6
Q2004 2SA1235-F
Q2001 2SC1623-L5L6
Q2002 2SC1623-L5L6
Q2803 DTC614TUT106
Q2804 DTC614TUT106
Q2806 DTC614TUT106
Q2807 DTC614TUT106
Q2815 2SC4154TP-1G
D2101 BAS316-115
D2804 BAS316-115
D2805 BAS316-115
A B C D E F G H I J K L M N O
1 2 3 4 5 6 7 8 9 10 11

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ AE Board Schematic Diagram [AV Switch, Audio Processor & Amplifier] Page 2/3 ~


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
AE.-WAX2F(KDL-40/46W2000)
CN2301 7P
TV_V
GND
QSS
FM/AM
V_IN
AU_PRE_GND
CN2302 8P
CVBS
L/LRCLK
R/BCK
DATA
DTV_IN
DTV_L_TU
DTV_R_TU
AU_DATA
CN2303 5P
UNREG15V
NC
AU_GND
HDMI_L
HDMI_R
IC2503 NJM4558V(TE2)
IC2501 MSP4410K-QA-D6-501
X2500 18.432MHz
SEL2_AU_L
SEL2_AU_R
PC_IN_R
PC_IN_L
DVI_R
DVI_L
DTV_L_MSP
DTV_R_MSP
FIX/VAR_L_IN
FIX/VAR_R_IN
TV_L_AEP
TV_R_AEP
HP_L_IN
HP_R_IN
SCL_B_5V
SDA_B_5V
RESET_AUDIO
IC2701
IC2702
IC2703
Q2701
Q2702
AU_15V
PS2501 4A 32V
AU_HP9V
IC2507 R2A15105SP
Q2510 DTC144EUA-T106
Q2511 DTC144EUA-T106
Q2512 DTC614TUT106
Q2513 DTC614TUT106
Q2519 DTC144EUA-T106
Q2520 DTC144EUA-T106
SP_SD_MUTE
AC_OFF_DET_AU
SP_MUTE
TO DETECT
AU_PROT
CN2500 4P
L+
L-
R-
R+
Mount Mecha A9528 408015301
Mount Mecha A9529 263590401
AU_GND
AU_PRE_GND
AE 3/3

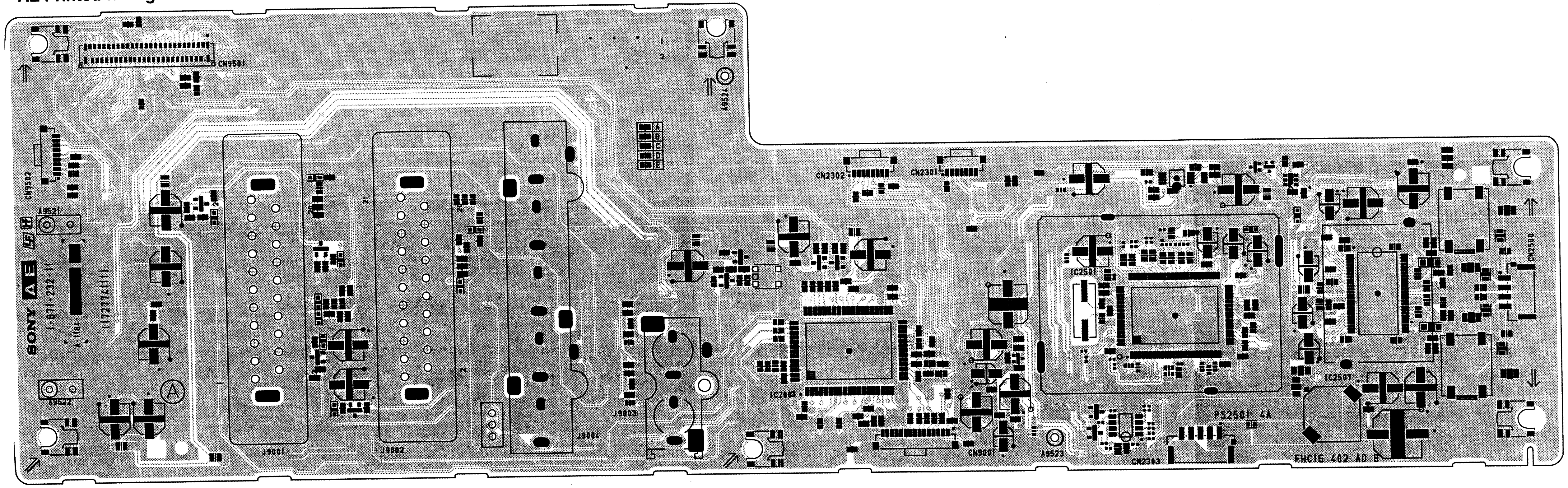
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ AE Board Schematic Diagram [AV Switch, Audio Processor & Amplifier] Page 3/3 ~

A B C D E F G H I J K L M N O

1 2 3 4 5 6 7 8 9 10 11

~ AE Printed Wiring Board Conductor Side A ~


CN9501
CN9502
A9521
A9522
SONY
AE
1-871-232-11
A
J9001
J9002
J9003
J9004
A9524
A
B
C
D
E
CN2302
CN2301
IC2501
IC2003
CN9801
A9523
PS2501 4A
CN2303
IC2507
CN2506
FHC16 402 AD B

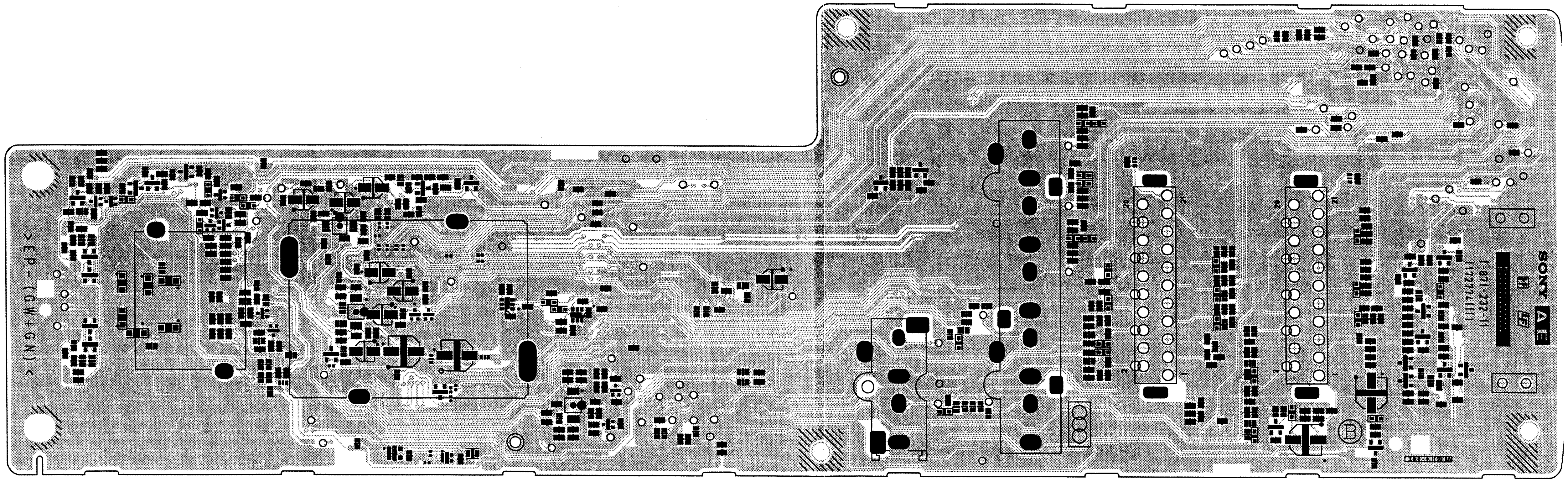
~ AE Board IC Voltage Table Side A ~

Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
IC2001	1	3.9	IC2001	11	4.3	IC2001	22	4.2	IC2001	33	4.5	IC2001	44	4.1	IC2001	55	3.6
	2	4.4		12	4.4		23	4.4		34	4.4		45	4.5		56	3.1
	3	3.9		13	0		24	3.9		35-36	0		46	3.6		57	0
	4	4.3		14	4.9		25-26	4.4		37	4.4		47	4.4		58	4.3
	5	4.4		15	3.9		27	0		38	4.5		48	0		59	4.4
	6	0		16	4.4		28	4.9		39	3.6		49	3.9		60	3.9
	7	4.9		17	3.9		29	4.4		40	4.5		50	4.7		61	4.4
	8	3.9		18-19	4.4		30	3.9		41	4.2		51-52	4.4		62	4.4
	9	4.4		20	0		31	4.4		42	9.0		53	4.2		63	3.9
	10	3.9		21	4.9		32	0		43	4.5		54	4.5		64	4.4

A B C D E F G H I J K L M N O

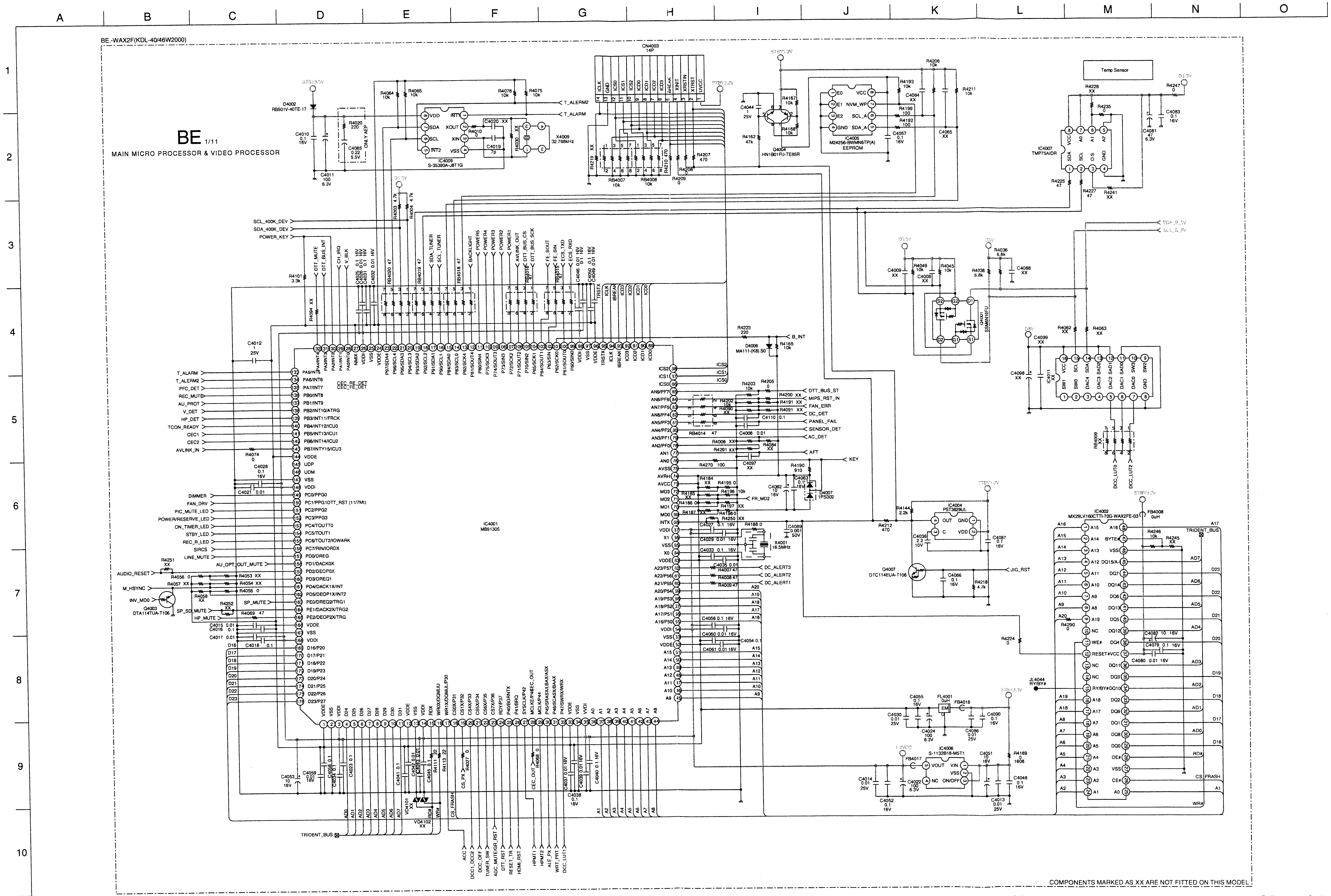
1 2 3 4 5 6 7 8 9 10 11

~ AE Printed Wiring Board Conductor Side B ~



>EP-(GW+GN)<
SONY
AE
1-671-232-11
(1127741(1))
B

BE.-WAX2F(KDL-40/46W2000)



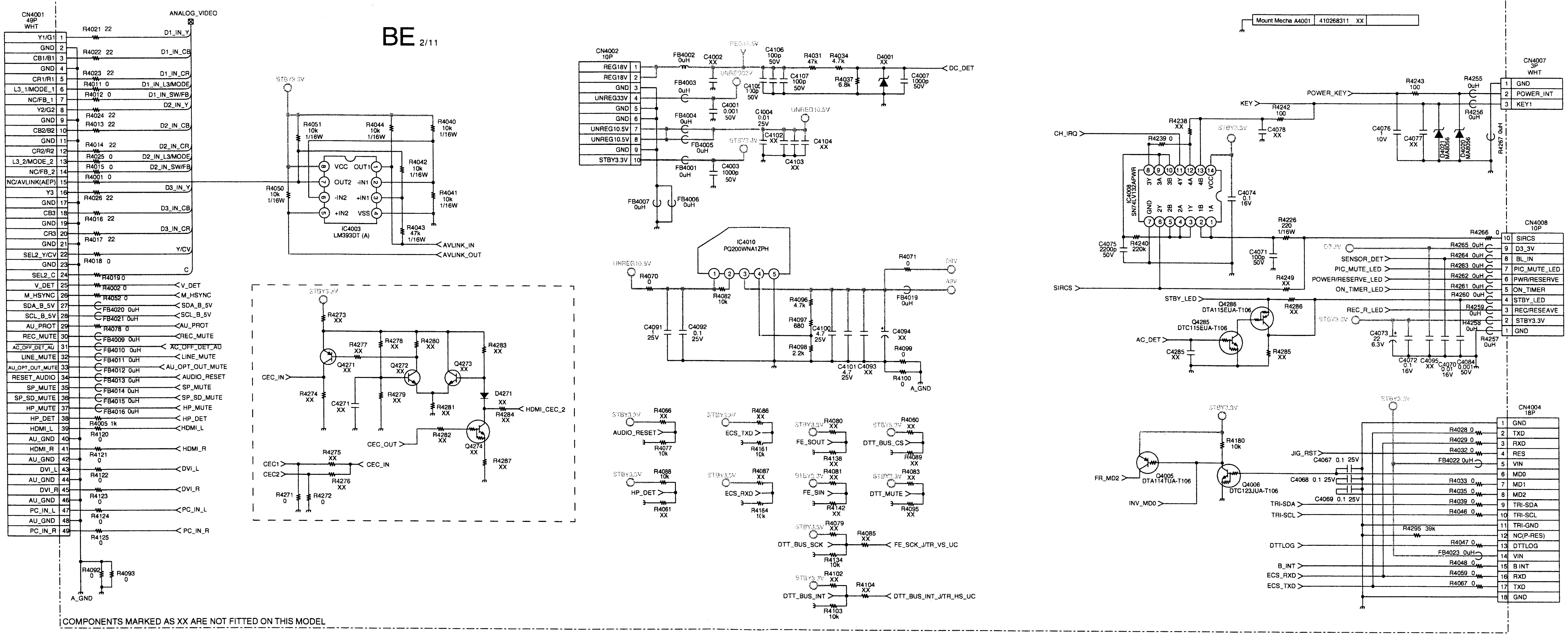
BE 1/11

MAIN MICRO PROCESSOR & VIDEO PROCESSOR

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
IC4001
MB91305
IC4009
S-35390A-J8T1G
X4009
32.768kHz
D4002
RB501V-40TE-17
CN4003
14P
Q4004
HN1B01FU-TE85R
IC4005
M24256-BWMN6TP(A)
EEPROM
Temp Sensor
IC4007
TMP75AIDR
Q4001
SSM6N15FU
IC4011
IC4004
PST3629UL
Q4007
DTC114EUA-T106
IC4002
MX29LV160CTTI-70G-WAX2FE-03
IC4006
S-1132B18-M5T1
FL4001
FB4017
FB4018
FB4008
X4001
16.5MHz
D4006
MA111-(K8).S0
D4007
1PS302
Q4003
DTA114TUA-T106
VD4101
VD4102
JL4044
RY/BY#
T_ALARM2
T_ALARM
SCL_400K_DEV
SDA_400K_DEV
POWER_KEY
T_ALARM
T_ALARM2
PFC_DET
REC_MUTE
AU_PROT
V_DET
HP_DET
TCON_READY
CEC1
CEC2
AVLINK_IN
DIMMER
FAN_DRV
PIC_MUTE_LED
POWER/RESERVE_LED
ON_TIMER_LED
STBY_LED
REC_R_LED
SIRCS
LINE_MUTE
AU_OPT_OUT_MUTE
AUDIO_RESET
M_HSYNC
INV_MD0
SP_MUTE
SP_SD_MUTE
HP_MUTE
TRIDENT_BUS
DTT_BUS_ST
MIPS_RST_IN
FAN_ERR
DC_DET
PANEL_FAIL
SENSOR_DET
AC_DET
AFT
KEY
FR_MD2
DC_ALERT3
DC_ALERT2
DC_ALERT1
JIG_RST
B_INT
SDA_B_3V
SCL_B_3V
DCC_LUT0
DCC_LUT2
CS_FRASH
CS_PX
CEC_OUT
ACC
DCC1_DCC2
DCC_OFF
TUNER_SW
AGC_MUTEGR_RST
DTT_RST
RESET_TRI
HDMI_RST
HPMT1
HPMT2
ALE_PX
WRT_PRT
DCC_LUT1
DTT_MUTE
DTT_BUS_INT
CH_IRQ
V_BLK
SDA_TUNER
SCL_TUNER
BACKLIGHT
POWER5
POWER4
POWER3
POWER2
POWER1
AVLINK_OUT
DTT_BUS_CS
DTT_BUS_SCK
FE_SOUT
FE_SIN
ECS_TXD
ECS_RXD
CEC_RE_DET
CEC_FE_DET
ONLY AEP
STBY3.3V
D3.3V
D5V
STBY3.3V

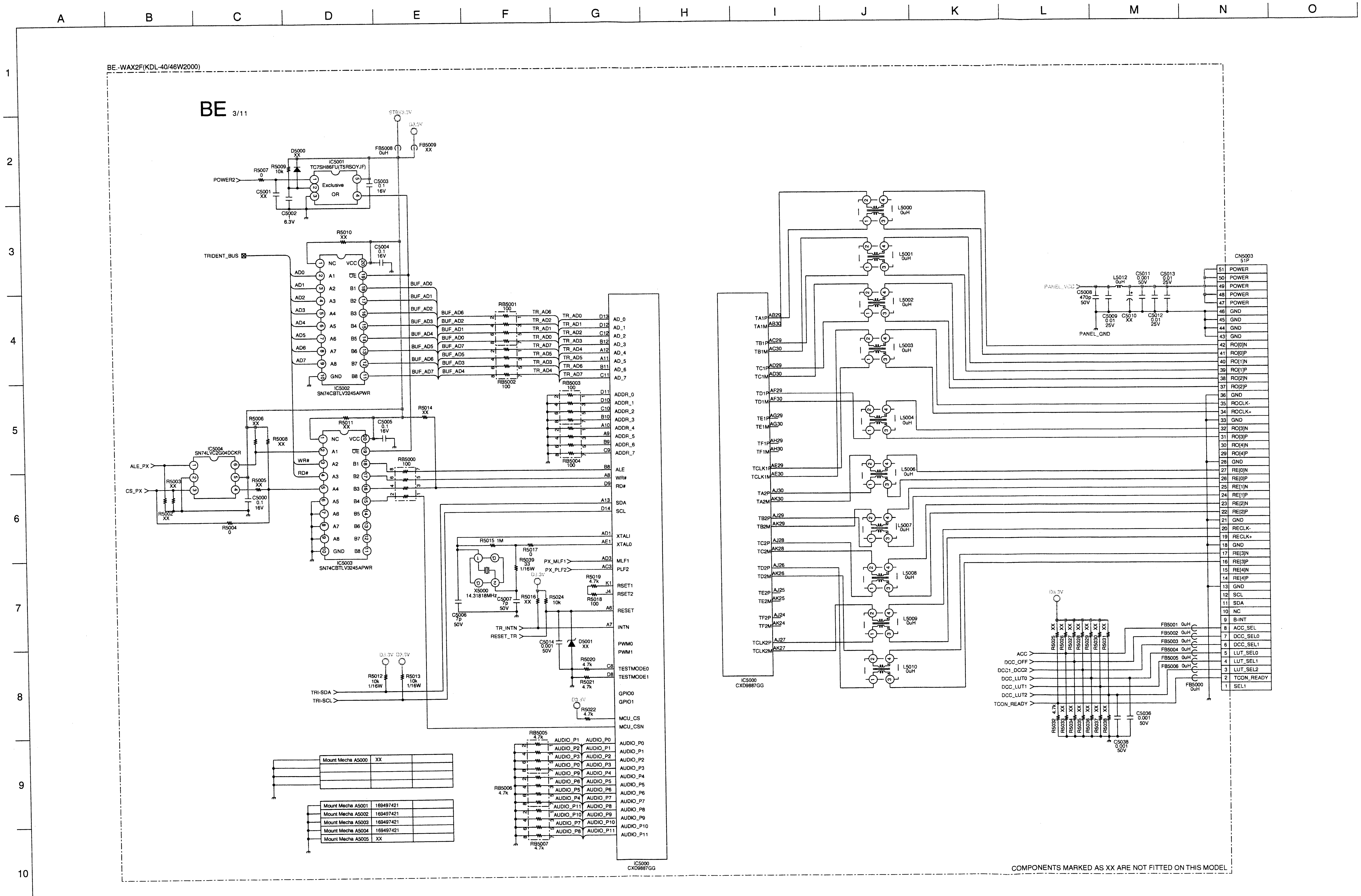
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL.

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 1/11 ~


BE.-WAX2F(KDL-40/46W2000)
BE 2/11
CN4001 49P WHT
ANALOG_VIDEO
IC4003 LM393DT (A)
AVLINK_IN
AVLINK_OUT
CEC_IN
CEC_OUT
CEC_IN
CEC1
CEC2
HDMI_CEC_2
CN4002 10P
IC4010 PQ200WNA1ZPH
DC_DET
A_GND
AUDIO_RESET
HP_DET
ECS_TXD
ECS_RXD
FE_SOUT
FE_SIN
DTT_BUS_CS
DTT_MUTE
DTT_BUS_SCK
FE_SCK_J/TR_VS_UC
DTT_BUS_INT
DTT_BUS_INT_J/TR_HS_UC
Mount Mecha A4001 410268311 XX
CN4007 3P WHT
POWER_KEY
KEY
CH_IRQ
IC4008 SN74LV125APWR
SIRCS
CN4008 10P
SENSOR_DET
PIC_MUTE_LED
POWER/RESERVE_LED
ON_TIMER_LED
STBY_LED
REC_R_LED
AC_DET
Q4286 DTA115EUA-T106
Q4285 DTC115EUA-T106
CN4004 18P
JIG_RST
FR_MD2
Q4005 DTA114TUA-T106
Q4006 DTC123JUA-T106
INV_MD0
TRI-SDA
TRI-SCL
DTTLOG
B_INT
ECS_RXD
ECS_TXD

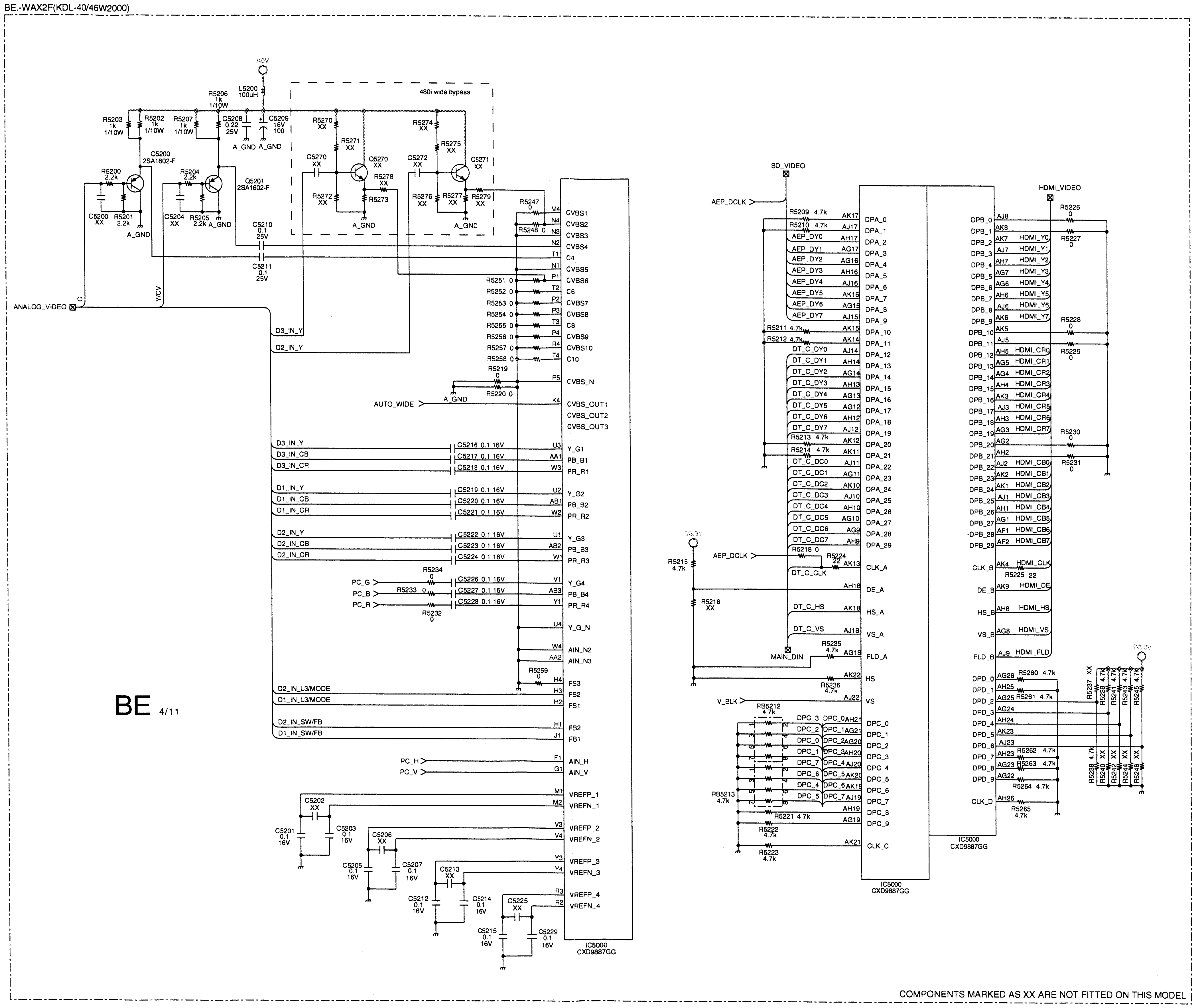
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 2/11 ~


A B C D E F G H I J K L M N O
1 2 3 4 5 6 7 8 9 10 11
BE-WAX2F(KDL-40/46W2000)
BE 3/11
STBY3.3V
D3.3V
FB5008 0uH
FB5009 XX
D5000 XX
IC5001 TC7SH86FU(T5RSOYJF)
Exclusive OR
R5007 0
R5009 10k
POWER2
C5001 XX
C5002 6.3V
C5003 0.1 16V
R5010 XX
C5004 0.1 16V
TRIDENT_BUS
AD0 AD1 AD2 AD3 AD4 AD5 AD6 AD7
NC VCC A1 OE A2 B1 A3 B2 A4 B3 A5 B4 A6 B5 A7 B6 A8 B7 GND B8
IC5002 SN74CBTLV3245APWR
BUF_AD0 BUF_AD1 BUF_AD2 BUF_AD3 BUF_AD4 BUF_AD5 BUF_AD6 BUF_AD7
RB5001 100
RB5002 100
RB5003 100
RB5004 100
TR_AD0 TR_AD1 TR_AD2 TR_AD3 TR_AD4 TR_AD5 TR_AD6 TR_AD7
AD_0 AD_1 AD_2 AD_3 AD_4 AD_5 AD_6 AD_7
ADDR_0 ADDR_1 ADDR_2 ADDR_3 ADDR_4 ADDR_5 ADDR_6 ADDR_7
R5014 XX
R5011 XX
C5005 0.1 16V
R5006 XX
R5008 XX
IC5004 SN74LVC2G04DCKR
ALE_PX
CS_PX
R5003 XX
R5002 XX
R5005 XX
C5000 0.1 16V
R5004 0
WR#
RD#
RB5000 100
ALE WR# RD#
SDA SCL
IC5003 SN74CBTLV3245APWR
XTALI XTALO
R5015 1M
R5017 0
R5039 33 1/16W
X5000 14.31818MHz
C5006 7p 50V
C5007 7p 50V
PX_MLF1
PX_PLF2
MLF1 PLF2
R5019 4.7k
R5018 100
RSET1 RSET2
R5016 XX
R5024 10k
RESET
INTN
TR_INTN
RESET_TR
C5014 0.001 50V
D5001 XX
PWM0 PWM1
R5020 4.7k
TESTMODE0 TESTMODE1
R5021 4.7k
GPIO0 GPIO1
R5022 4.7k
MCU_CS MCU_CSN
R5012 10k 1/16W
R5013 10k 1/16W
TRI-SDA
TRI-SCL
RB5005 4.7k
RB5006 4.7k
RB5007 4.7k
AUDIO_P0 AUDIO_P1 AUDIO_P2 AUDIO_P3 AUDIO_P4 AUDIO_P5 AUDIO_P6 AUDIO_P7 AUDIO_P8 AUDIO_P9 AUDIO_P10 AUDIO_P11
IC5000 CXD9887GG
TA1P TA1M TB1P TB1M TC1P TC1M TD1P TD1M TE1P TE1M TF1P TF1M TCLK1P TCLK1M TA2P TA2M TB2P TB2M TC2P TC2M TD2P TD2M TE2P TE2M TF2P TF2M TCLK2P TCLK2M
L5000 0uH
L5001 0uH
L5002 0uH
L5003 0uH
L5004 0uH
L5006 0uH
L5007 0uH
L5008 0uH
L5009 0uH
L5010 0uH
PANEL_VDD
L5012 0uH
C5008 470p 50V
C5009 0.01 25V
C5010 XX
C5011 0.001 50V
C5012 0.01 25V
C5013 0.01 25V
PANEL_GND
CN5003 51P
51 POWER
50 POWER
49 POWER
48 POWER
47 POWER
46 GND
45 GND
44 GND
43 GND
42 RO[0]N
41 RO[0]P
40 RO[1]N
39 RO[1]P
38 RO[2]N
37 RO[2]P
36 GND
35 ROCLK-
34 ROCLK+
33 GND
32 RO[3]N
31 RO[3]P
30 RO[4]N
29 RO[4]P
28 GND
27 RE[0]N
26 RE[0]P
25 RE[1]N
24 RE[1]P
23 RE[2]N
22 RE[2]P
21 GND
20 RECLK-
19 RECLK+
18 GND
17 RE[3]N
16 RE[3]P
15 RE[4]N
14 RE[4]P
13 GND
12 SCL
11 SDA
10 NC
9 B-INT
8 ACC_SEL
7 DCC_SEL0
6 DCC_SEL1
5 LUT_SEL0
4 LUT_SEL1
3 LUT_SEL2
2 TCON_READY
1 SEL1
FB5000 0uH
FB5001 0uH
FB5002 0uH
FB5003 0uH
FB5004 0uH
FB5005 0uH
FB5006 0uH
ACC
DCC_OFF
DCC1_DCC2
DCC_LUT0
DCC_LUT1
DCC_LUT2
TCON_READY
R5025 R5026 R5027 R5028 R5029 R5030 R5031
R5032 R5033 R5034 R5035 R5036 R5037 R5038
C5036 0.001 50V
C5038 0.001 50V
Mount Mecha A5000 XX
Mount Mecha A5001 169497421
Mount Mecha A5002 169497421
Mount Mecha A5003 169497421
Mount Mecha A5004 169497421
Mount Mecha A5005 XX
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 3/11 ~

BE-WAX2F(KDL-40/46W2000)



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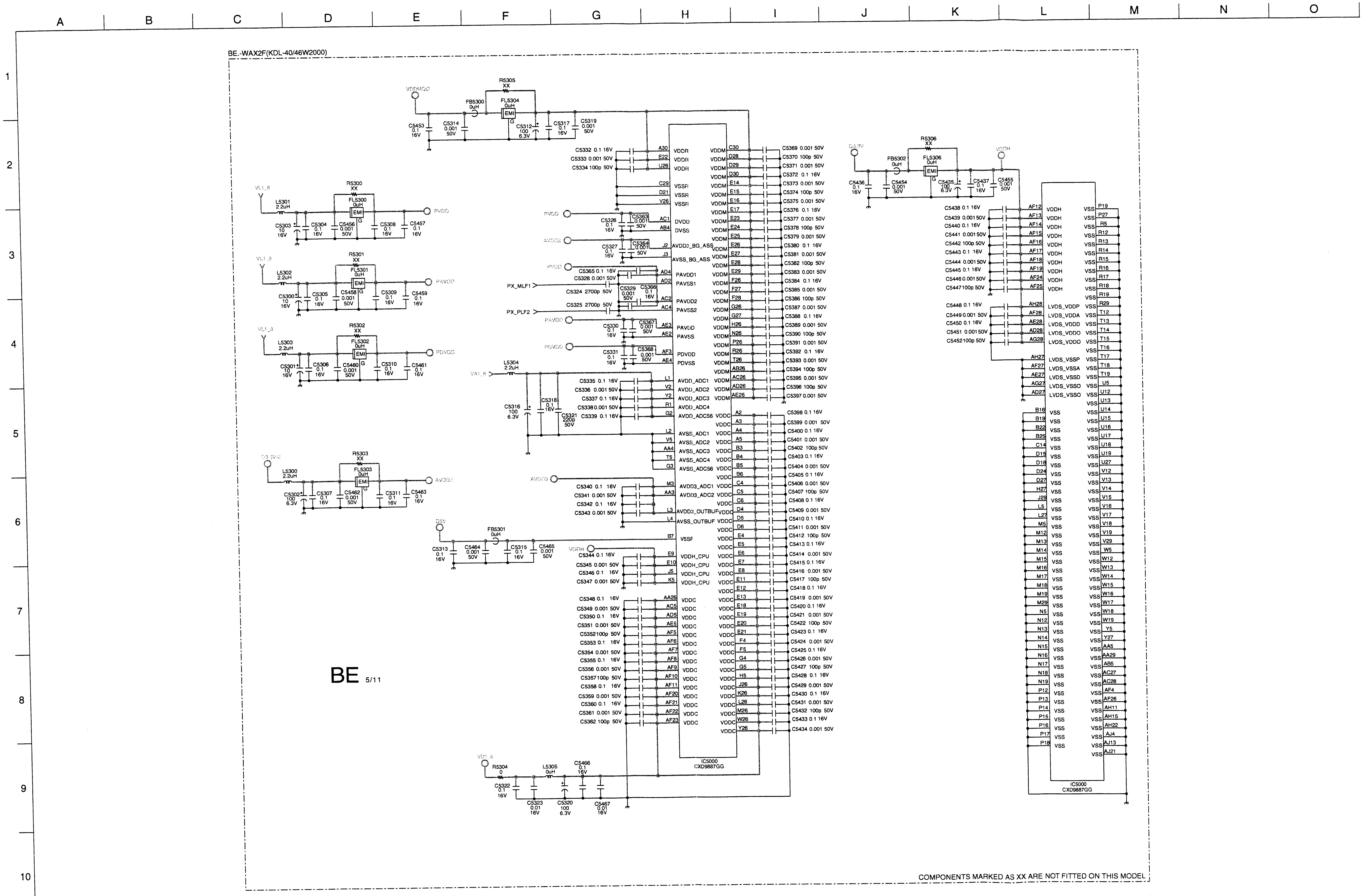
ANALOG_VIDEO
Y/CV
480i wide bypass
Q5200 2SA1602-F
Q5201 2SA1602-F
Q5270 XX
Q5271 XX
L5200 100uH
A_GND
AUTO_WIDE
D3_IN_Y
D2_IN_Y
D3_IN_CB
D3_IN_CR
D1_IN_Y
D1_IN_CB
D1_IN_CR
D2_IN_CB
D2_IN_CR
PC_G
PC_B
PC_R
PC_H
PC_V
D2_IN_L3/MODE
D1_IN_L3/MODE
D2_IN_SW/FB
D1_IN_SW/FB
CVBS1
CVBS2
CVBS3
CVBS4
C4
CVBS5
CVBS6
C6
CVBS7
CVBS8
C8
CVBS9
CVBS10
C10
CVBS_N
CVBS_OUT1
CVBS_OUT2
CVBS_OUT3
Y_G1
PB_B1
PR_R1
Y_G2
PB_B2
PR_R2
Y_G3
PB_B3
PR_R3
Y_G4
PB_B4
PR_R4
Y_G_N
AIN_N2
AIN_N3
FS3
FS2
FS1
FB2
FB1
AIN_H
AIN_V
VREFP_1
VREFN_1
VREFP_2
VREFN_2
VREFP_3
VREFN_3
VREFP_4
VREFN_4
IC5000 CXD9887GG
SD_VIDEO
AEP_DCLK
MAIN_DIN
V_BLK
HDMI_VIDEO
DPA_0 … DPA_29
CLK_A
DE_A
HS_A
VS_A
FLD_A
HS
VS
DPC_0 … DPC_9
CLK_C
DPB_0 … DPB_29
CLK_B
DE_B
HS_B
VS_B
FLD_B
DPD_0 … DPD_9
CLK_D
AEP_DY0 … AEP_DY7
DT_C_DY0 … DT_C_DY7
DT_C_DC0 … DT_C_DC7
DT_C_CLK
DT_C_HS
DT_C_VS
HDMI_Y0 … HDMI_Y7
HDMI_CR0 … HDMI_CR7
HDMI_CB0 … HDMI_CB7
HDMI_CLK
HDMI_DE
HDMI_HS
HDMI_VS
HDMI_FLD
RB5212 4.7k
RB5213 4.7k

BE 4/11

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 4/11 ~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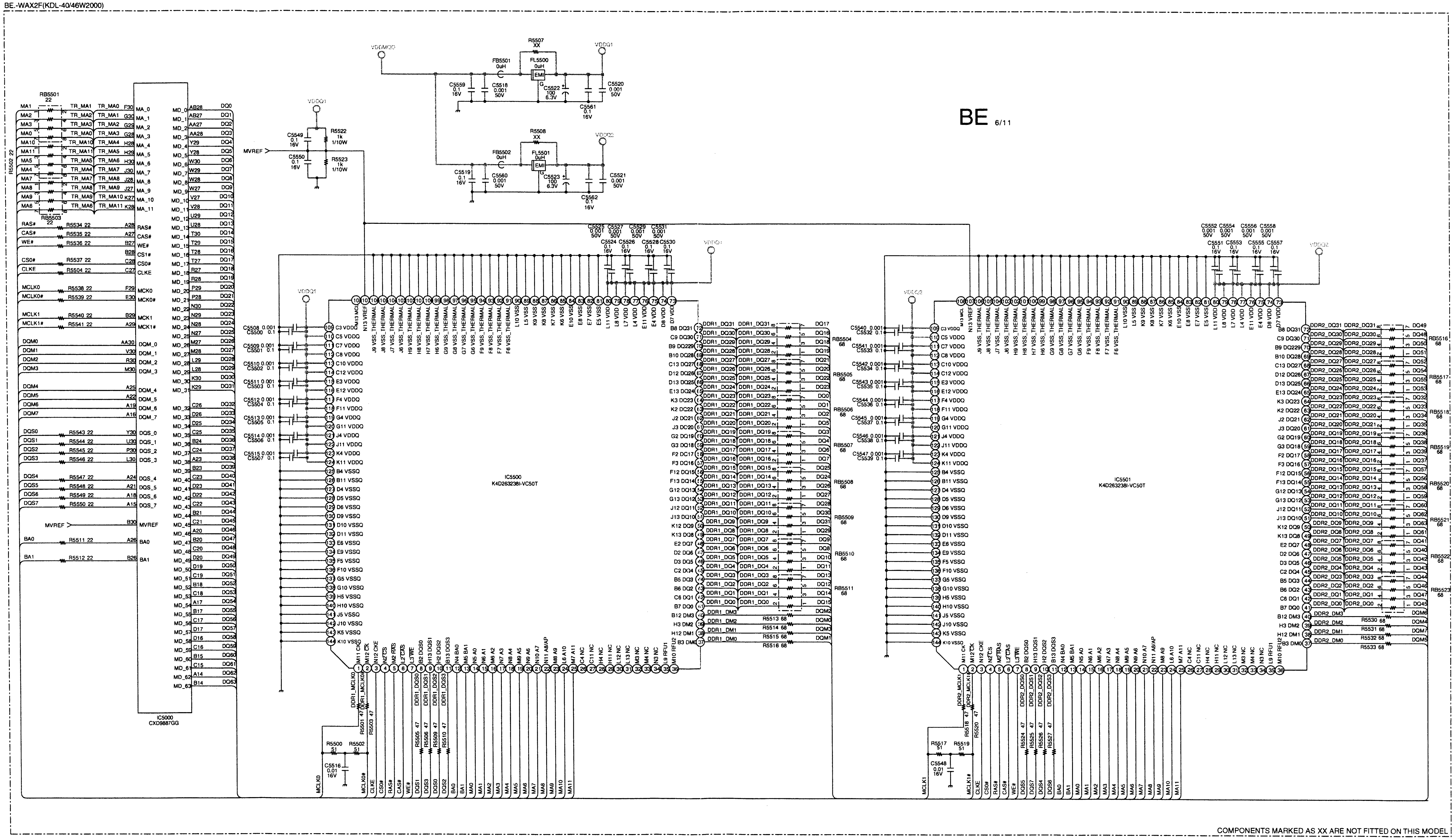
BE.-WAX2F(KDL-40/46W2000)
VDDMGO
R5305 XX
FB5300 0uH
FL5304 0uH
EMI
C5453 0.1 16V
C5314 0.001 50V
C5312 100 6.3V
C5317 0.1 16V
C5319 0.001 50V
VL1_8
R5300 XX
L5301 2.2uH
FL5300 0uH
PVDD
C5303 10 16V
C5304 0.1 16V
C5456 0.001 50V
C5308 0.1 16V
C5457 0.1 16V
VL1_3
R5301 XX
L5302 2.2uH
FL5301 0uH
PAVDD
C5300 10 16V
C5305 0.1 16V
C5458 0.001 50V
C5309 0.1 16V
C5459 0.1 16V
R5302 XX
L5303 2.2uH
FL5302 0uH
PDVDD
C5301 10 16V
C5306 0.1 16V
C5460 0.001 50V
C5310 0.1 16V
C5461 0.1 16V
D3.3V
R5303 XX
L5300 2.2uH
FL5303 0uH
AVDD3
C5302 100 6.3V
C5307 0.1 16V
C5462 0.001 50V
C5311 0.1 16V
C5463 0.1 16V
D5V
FB5301 0uH
C5313 0.1 16V
C5464 0.001 50V
C5315 0.1 16V
C5465 0.001 50V
BE 5/11
PX_MLF1
PX_PLF2
VA1_8
L5304 2.2uH
C5316 100 6.3V
C5318 0.1 16V
C5321 220p 50V
VD1_8
R5304 0
L5305 0uH
C5466 0.1 16V
C5322 0.1 16V
C5323 0.01 16V
C5320 100 6.3V
C5467 0.01 16V
VDDR
VSSR
DVDD
DVSS
AVDD3_BG_ASS
AVSS_BG_ASS
PAVDD1
PAVSS1
PAVDD2
PAVSS2
PAVDD
PAVSS
PDVDD
PDVSS
AVDD_ADC1
AVDD_ADC2
AVDD_ADC3
AVDD_ADC4
AVDD_ADC56
AVSS_ADC1
AVSS_ADC2
AVSS_ADC3
AVSS_ADC4
AVSS_ADC56
AVDD3_ADC1
AVDD3_ADC2
AVDD3_OUTBUF
AVSS_OUTBUF
VSSF
VDDH_CPU
VDDC
VDDM
IC5000 CXD9887GG
D3.3V
R5306 XX
FB5302 0uH
FL5306 0uH
VDDH
C5436 0.1 16V
C5454 0.001 50V
C5435 100 6.3V
C5437 0.1 16V
C5455 0.001 50V
VDDH
LVDS_VDDP
LVDS_VDDA
LVDS_VDDD
LVDS_VDDO
LVDS_VSSP
LVDS_VSSA
LVDS_VSSD
LVDS_VSSO
VSS
IC5000 CXD9887GG

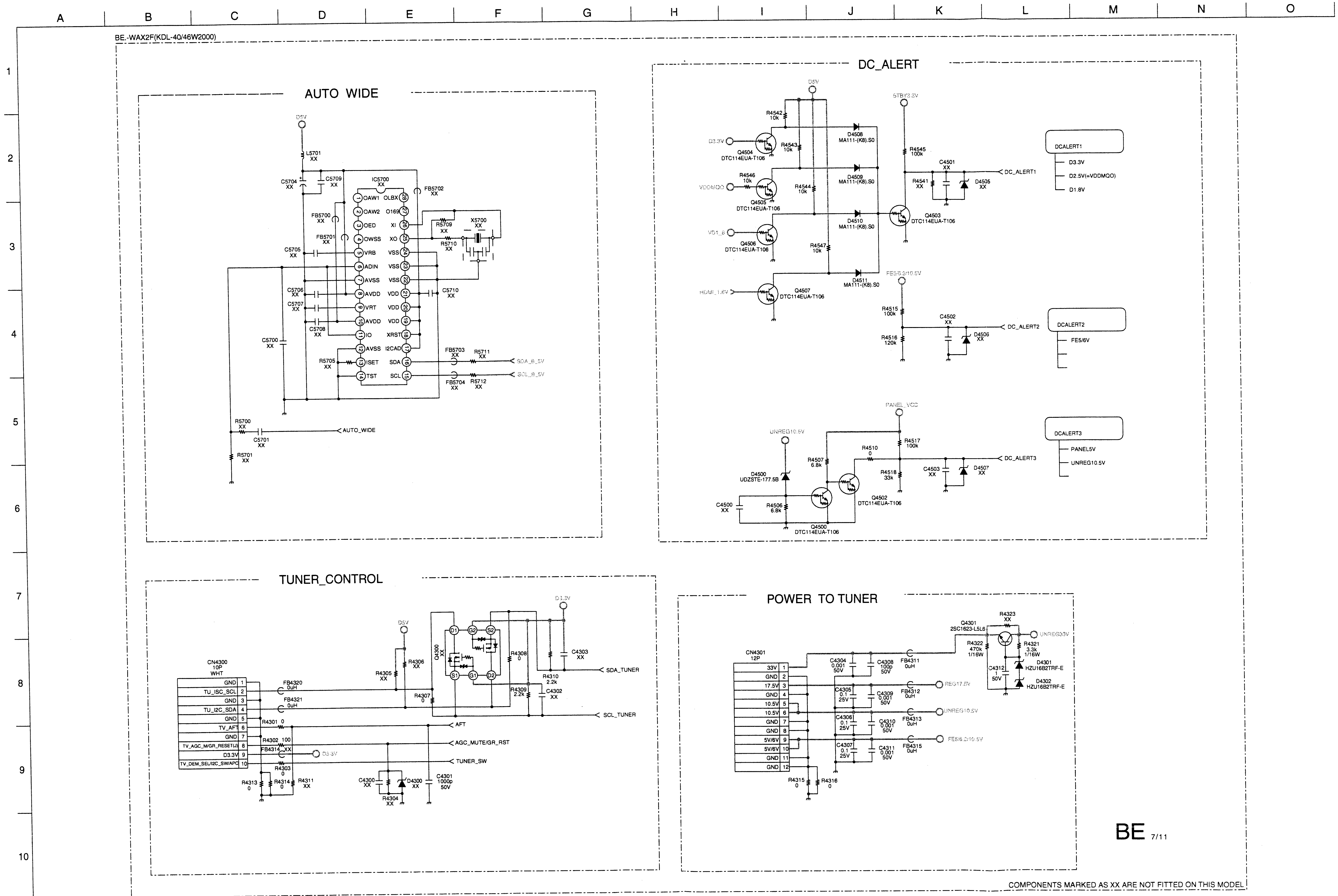
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 5/11 ~



BE.-WAX2F(KDL-40/46W2000)
BE 6/11
IC5000
CXD9887GG
IC5500
K4D263238I-VC50T
IC5501
K4D263238I-VC50T
RB5501
RB5503
MVREF
VDDQ1
VDDQ2
VDDMOD
R5507 XX
R5508 XX
FB5501 0uH
FB5502 0uH
FL5500 0uH EMI
FL5501 0uH EMI
C5522 100 6.3V
C5523 100 6.3V
R5522 1k 1/10W
R5523 1k 1/10W
C5549 0.1 16V
C5550 0.1 16V
R5500
R5502
R5517
R5519
C5516 0.01 16V
C5548 0.01 16V
MCLK0
MCLK1
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 6/11 ~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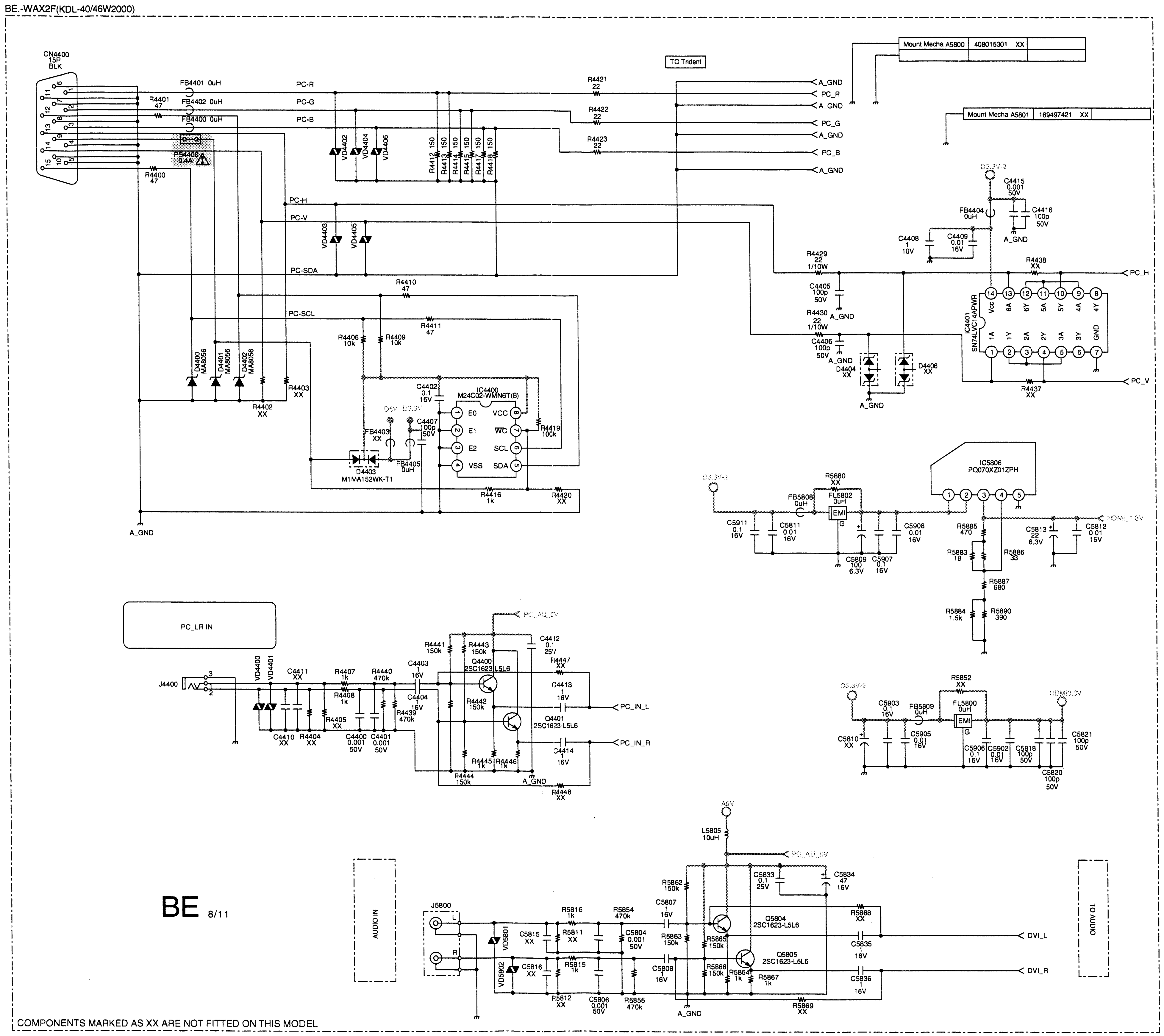
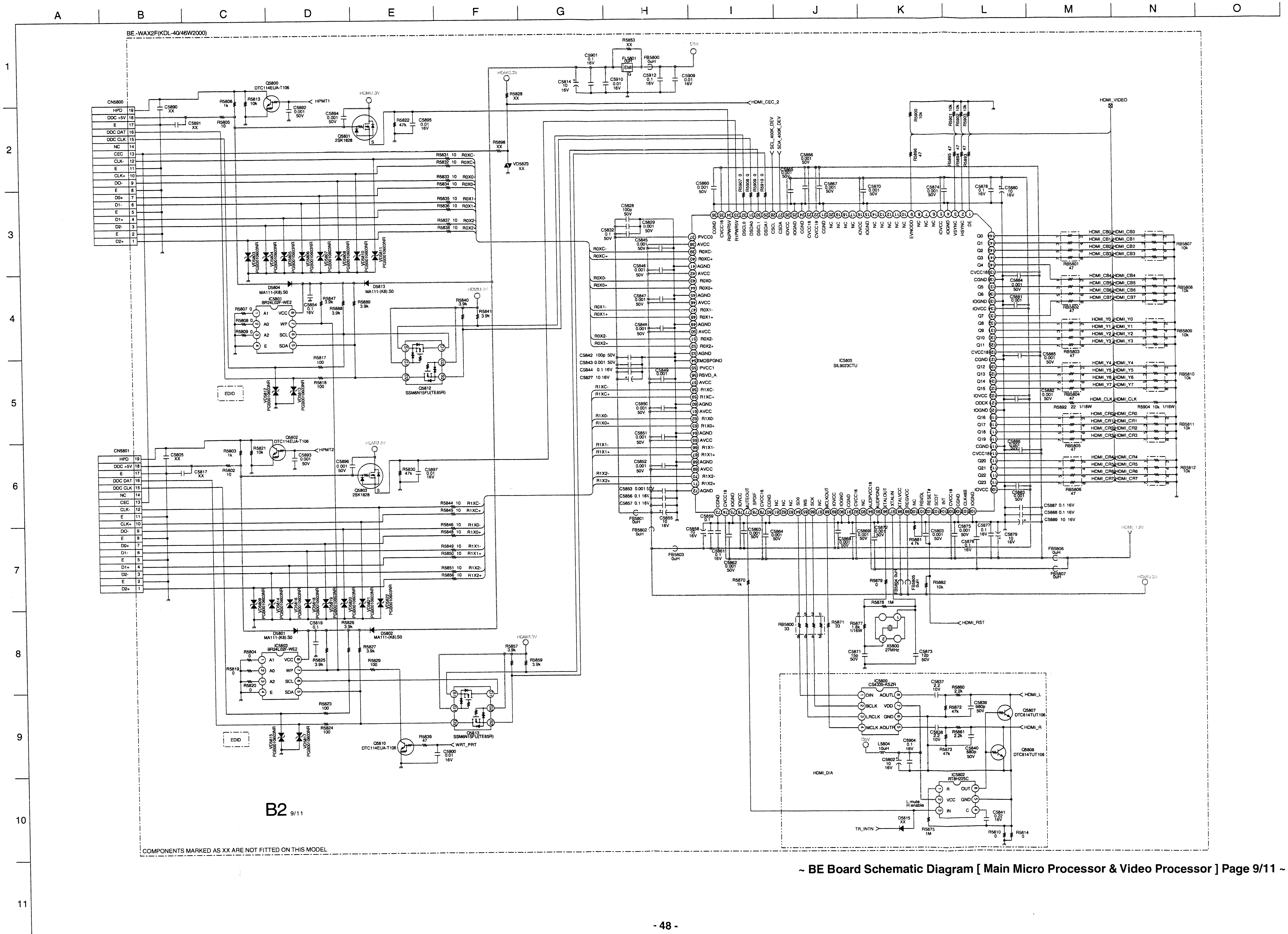
BE.-WAX2F(KDL-40/46W2000)
AUTO WIDE
D5V
L5701 XX
C5704 XX
C5709 XX
IC5700 XX
FB5702 XX
FB5700 XX
FB5701 XX
C5705 XX
C5706 XX
C5707 XX
C5708 XX
C5700 XX
R5705 XX
OAW1
OAW2
OED
OWSS
VRB
ADIN
AVSS
AVDD
VRT
AVDD
IO
AVSS
ISET
TST
OLBX
O169
XI
XO
VSS
VSS
VSS
VDD
VDD
VDD
XRST
I2CAD
SDA
SCL
R5709 XX
X5700 XX
R5710 XX
C5710 XX
FB5703 XX
R5711 XX
FB5704 XX
R5712 XX
SDA_6_5V
SCL_6_5V
R5700 XX
C5701 XX
R5701 XX
AUTO_WIDE
DC_ALERT
D5V
STBY3.3V
R4542 10k
D3.3V
Q4504 DTC114EUA-T106
R4543 10k
D4508 MA111-(K8).SO
R4545 100k
C4501 XX
DC_ALERT1
R4546 10k
VDDMQO
Q4505 DTC114EUA-T106
R4544 10k
D4509 MA111-(K8).SO
R4541 XX
D4505 XX
VD1_8
Q4506 DTC114EUA-T106
D4510 MA111-(K8).SO
Q4503 DTC114EUA-T106
R4547 10k
FE5/6.2/10.5V
HDMI_1.8V
Q4507 DTC114EUA-T106
D4511 MA111-(K8).SO
R4515 100k
R4516 120k
C4502 XX
D4506 XX
DC_ALERT2
DCALERT1
D3.3V
D2.5V(=VDDMQO)
D1.8V
DCALERT2
FE5/6V
PANEL_VCC
UNREG10.5V
R4517 100k
R4510 0
R4507 6.8k
R4518 33k
D4500 UDZSTE-177.5B
Q4502 DTC114EUA-T106
C4503 XX
D4507 XX
DC_ALERT3
C4500 XX
R4506 6.8k
Q4500 DTC114EUA-T106
DCALERT3
PANEL5V
UNREG10.5V
TUNER_CONTROL
D3.3V
D5V
Q4300 XX
D1
G2
S2
S1
G1
D2
R4308 0
C4303 XX
SDA_TUNER
R4305 XX
R4306 XX
R4310 2.2k
R4309 2.2k
C4302 XX
R4307 0
SCL_TUNER
CN4300 10P WHT
GND 1
TU_ISC_SCL 2
GND 3
TU_I2C_SDA 4
GND 5
TV_AFT 6
GND 7
TV_AGC_M/GR_RESET(J) 8
D3.3V 9
TV_DEM_SEL/I2C_SW/APC 10
FB4320 0uH
FB4321 0uH
R4301 0
R4302 100
FB4314 XX
D3.3V
R4303 0
AFT
AGC_MUTE/GR_RST
TUNER_SW
R4313 0
R4314 0
R4311 XX
C4300 XX
D4300 XX
C4301 1000p 50V
R4304 XX
POWER TO TUNER
R4323 XX
Q4301 2SC1623-L5L6
UNREG33V
R4322 470k 1/16W
R4321 3.3k 1/16W
D4301 HZU16B2TRF-E
C4312 1 50V
D4302 HZU16B2TRF-E
CN4301 12P
33V 1
GND 2
17.5V 3
GND 4
10.5V 5
10.5V 6
GND 7
GND 8
5V/6V 9
5V/6V 10
GND 11
GND 12
C4304 0.001 50V
C4308 100p 50V
FB4311 0uH
C4305 0.1 25V
C4309 0.001 50V
FB4312 0uH
REG17.5V
UNREG10.5V
C4306 0.1 25V
C4310 0.001 50V
FB4313 0uH
C4307 0.1 25V
C4311 0.001 50V
FB4315 0uH
FE5/6.2/10.5V
R4315 0
R4316 0
BE 7/11
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 7/11 ~


BE.-WAX2F(KDL-40/46W2000)
CN4400 15P BLK
FB4401 0uH
FB4402 0uH
FB4400 0uH
R4401 47
R4400 47
PS4400 0.4A
PC-R
PC-G
PC-B
PC-H
PC-V
PC-SDA
PC-SCL
VD4402
VD4404
VD4406
VD4403
VD4405
R4412 150
R4413 150
R4414 150
R4415 150
R4417 150
R4418 150
R4421 22
R4422 22
R4423 22
TO Trident
A_GND
PC_R
PC_G
PC_B
Mount Mecha A5800 408015301 XX
Mount Mecha A5801 169497421 XX
R4410 47
R4411 47
R4406 10k
R4409 10k
D4400 MA8056
D4401 MA8056
D4402 MA8056
R4402 XX
R4403 XX
C4402 0.1 16V
IC4400 M24C02-WMN6T(B)
E0
E1
E2
VSS
VCC
WC
SCL
SDA
R4419 100k
C4407 100p 50V
FB4403 XX
FB4405 0uH
D4403 M1MA152WK-T1
R4416 1k
R4420 XX
D5V
D3.3V
D3.3V-2
C4415 0.001 50V
FB4404 0uH
C4416 100p 50V
C4408 1 10V
C4409 0.01 16V
R4429 22 1/10W
R4438 XX
C4405 100p 50V
R4430 22 1/10W
C4406 100p 50V
D4404 XX
D4406 XX
IC4401 SN74LVC14APWR
R4437 XX
PC_H
PC_V
IC5806 PQ070XZ01ZPH
R5880 XX
FB5808 0uH
FL5802 0uH
EMI
C5911 0.1 16V
C5811 0.01 16V
C5908 0.01 16V
C5909 100 6.3V
C5907 0.1 16V
R5885 470
R5883 18
R5886 33
R5887 680
R5884 1.5k
R5890 390
C5813 22 6.3V
C5812 0.01 16V
HDMI_1.8V
PC_LR IN
PC_AU_5V
J4400
VD4400
VD4401
C4411 XX
C4410 XX
R4404 XX
R4407 1k
R4408 1k
R4405 XX
R4440 470k
R4439 470k
C4400 0.001 50V
C4401 0.001 50V
C4403 1 16V
C4404 1 16V
R4441 150k
R4443 150k
Q4400 2SC1623-L5L6
Q4401 2SC1623-L5L6
R4442 150k
C4412 0.1 25V
R4447 XX
C4413 1 16V
C4414 1 16V
R4444 150k
R4445 1k
R4446 1k
R4448 XX
PC_IN_L
PC_IN_R
R5852 XX
FB5809 0uH
FL5800 0uH
C5903 0.1 16V
C5810 XX
C5905 0.01 16V
C5906 0.1 16V
C5902 0.01 16V
C5818 100p 50V
C5820 100p 50V
C5821 100p 50V
HDMI3.3V
BE 8/11
AUDIO IN
J5800
VD5801
VD5802
C5815 XX
C5816 XX
R5816 1k
R5811 XX
R5815 1k
R5812 XX
R5854 470k
C5804 0.001 50V
C5806 0.001 50V
R5855 470k
A9V
L5805 10uH
R5862 150k
C5807 1 16V
C5808 1 16V
R5863 150k
R5865 150k
R5866 150k
R5864 1k
R5867 1k
C5833 0.1 25V
C5834 47 16V
Q5804 2SC1623-L5L6
Q5805 2SC1623-L5L6
R5868 XX
R5869 XX
C5835 1 16V
C5836 1 16V
DVI_L
DVI_R
TO AUDIO
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 8/11 ~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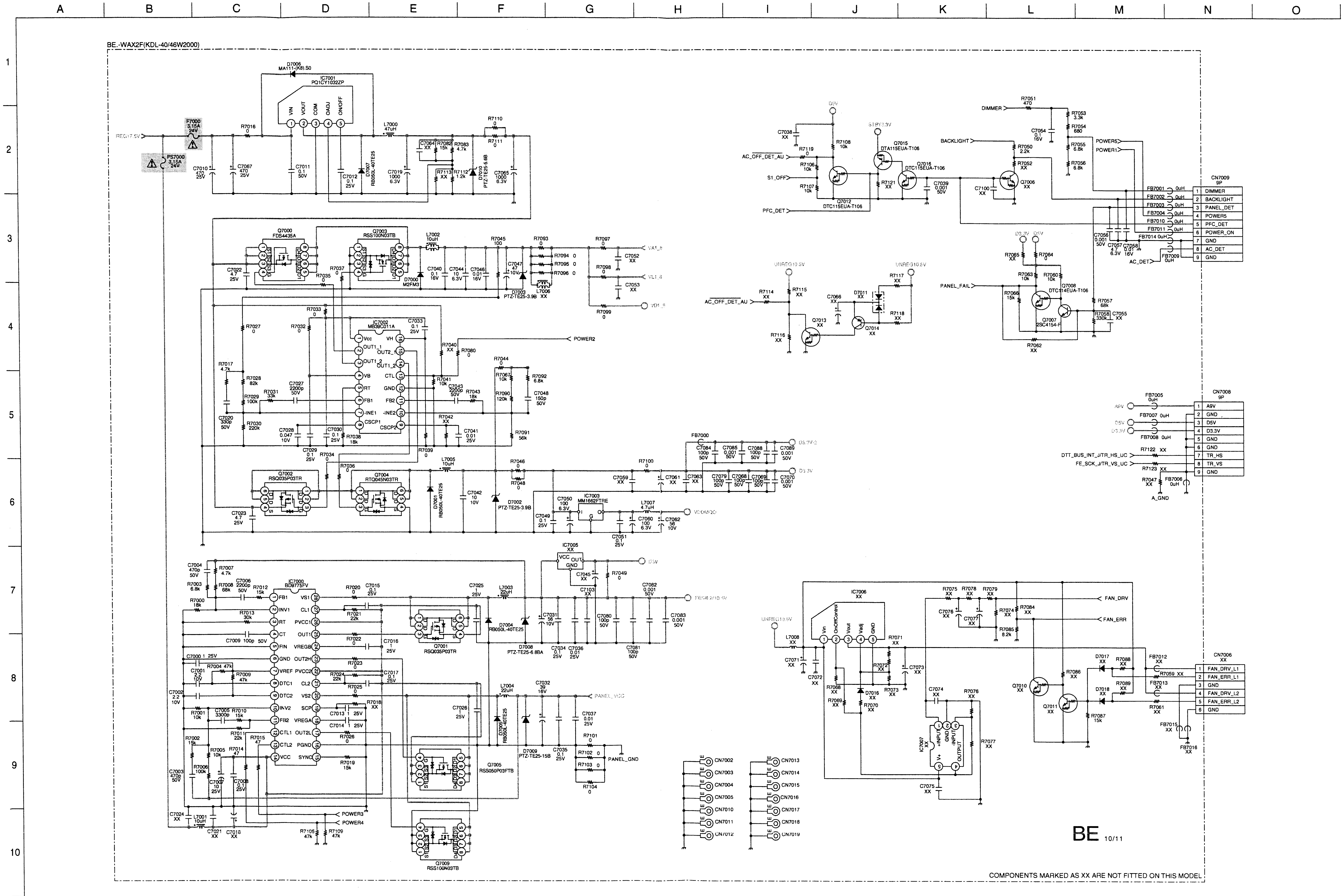
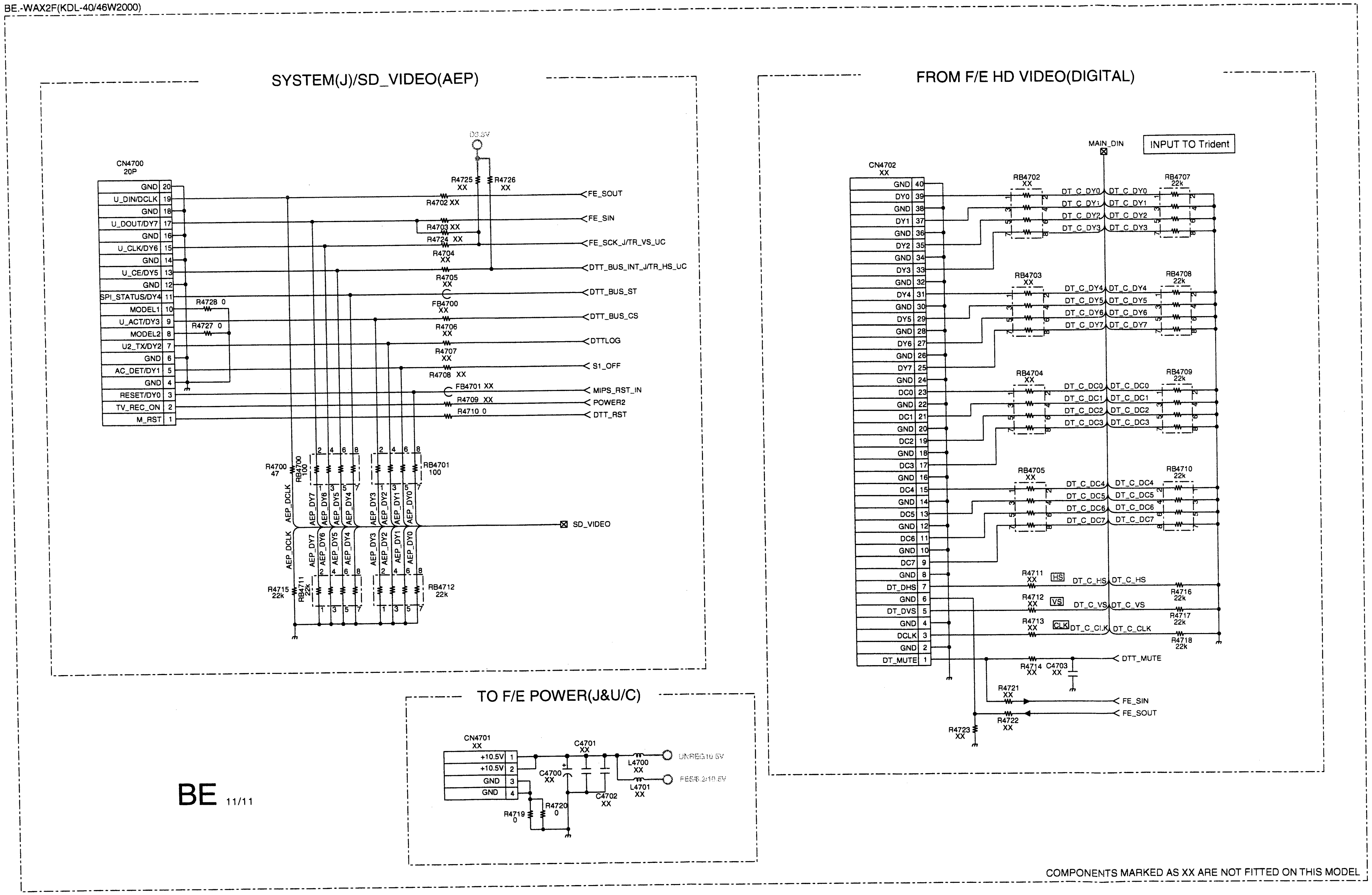
BE-WAX2F(KDL-40/46W2000)
CN5800
HPD
DDC +5V
E
DDC DAT
DDC CLK
NC
CEC
CLK-
E
CLK+
D0-
E
D0+
D1-
E
D1+
D2-
E
D2+
C5890 XX
C5891 XX
R5806 1k
R5805 10
R5813 10k
Q5800 DTC114EUA-T106
C5892 0.001 50V
HPMT1
HDMI3.3V
C5894 0.001 50V
Q5801 2SK1828
R5822 47k
C5895 0.01 16V
R5898 XX
VD5823 XX
R5828 XX
C5901 0.1 16V
R5853 XX
FL5801 0uH EMI
FB5800 0uH
C5814 10 16V
C5910 0.01 16V
C5912 0.1 16V
C5909 0.01 16V
D5V
HDMI_CEC_2
R5831 10 R0XC-
R5832 10 R0XC+
R5833 10 R0X0-
R5834 10 R0X0+
R5835 10 R0X1-
R5836 10 R0X1+
R5837 10 R0X2-
R5838 10 R0X2+
D5804 MA111-(K8).S0
D5813 MA111-(K8).S0
IC5801 BR24L02F-WE2
R5807 0
R5808 0
R5809 0
A1
A0
A2
E
VCC
WP
SCL
SDA
R5847 3.9k
R5888 3.9k
R5889 3.9k
C5854 0.1 16V
R5840 3.9k
R5841 3.9k
R5817 100
R5818 100
Q5812 SSM6N15FU(TE85R)
EDID
VD5812 PGB0010603NR
VD5813 PGB0010603NR
SCL_400K_DEV
SDA_400K_DEV
R5907 0
R5908 0
R5909 0
R5910 0
C5860 0.001 50V
C5866 0.001 50V
C5865 0.001 50V
C5867 0.001 50V
C5870 0.001 50V
C5874 0.001 50V
C5878 0.1 16V
C5880 10 16V
R5900 10k
R5901 10k
R5902 10k
R5903 10k
R5896 47
R5895 47
R5894 47
R5893 47
HDMI_VIDEO
C5828 100p 50V
C5829 0.001 50V
C5832 0.1 50V
C5845 0.001 50V
C5846 0.001 50V
C5847 0.001 50V
C5848 0.001 50V
C5842 100p 50V
C5843 0.001 50V
C5844 0.1 16V
C5827 10 16V
C5849 0.001
C5850 0.001 50V
C5851 0.001 50V
C5852 0.001 50V
C5853 0.001 50V
C5856 0.1 16V
C5857 0.1 16V
FB5801 0uH
FB5802 0uH
C5855 10 16V
IC5805 SIL9023CTU
CGND
CVCC18
R0PWR5V
R1PWR5V
DSCL0
DSDA0
DSCL1
DSDA1
CSCL
CSDA
IOVCC
IOGND
EVNODD
NC
VSYNC
HSYNC
DE
PVCC0
AVCC
R0XC-
R0XC+
AGND
R0X0-
R0X0+
R0X1-
R0X1+
R0X2-
R0X2+
TMDSPGND
PVCC1
RSVD_A
R1XC-
R1XC+
R1X0-
R1X0+
R1X1-
R1X1+
R1X2-
R1X2+
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
Q17
Q18
Q19
Q20
Q21
Q22
Q23
ODCK
MUTEOUT
SPDIF
SD0
WS
SCK
MCLKOUT
AUDPVCC18
AUDPGND
XTALOUT
XTALIN
XTALVCC
REGVCC
RSVDL
RESET#
SCDT
INT
CLK48B
HDMI_CB0
HDMI_CB1
HDMI_CB2
HDMI_CB3
HDMI_CB4
HDMI_CB5
HDMI_CB6
HDMI_CB7
HDMI_Y0
HDMI_Y1
HDMI_Y2
HDMI_Y3
HDMI_Y4
HDMI_Y5
HDMI_Y6
HDMI_Y7
HDMI_CLK
HDMI_CR0
HDMI_CR1
HDMI_CR2
HDMI_CR3
HDMI_CR4
HDMI_CR5
HDMI_CR6
HDMI_CR7
RB5807 10k
RB5808 10k
RB5809 10k
RB5810 10k
RB5811 10k
RB5812 10k
RB5801 47
RB5802 47
RB5803 47
RB5804 47
RB5805 47
RB5806 47
C5884 0.001 50V
C5881 0.001
C5885 0.001 50V
C5882 0.001 50V
C5886 0.001 50V
C5883 0.001 50V
R5892 22 1/16W
R5904 10k 1/16W
C5887 0.1 16V
C5888 0.1 16V
C5889 10 16V
C5859 0.1
C5858 10 16V
C5861 0.1 16V
C5862 0.001 50V
C5863 0.001 50V
C5864 0.001 50V
C5868 0.001 50V
C5869 0.001 50V
C5872 0.001 50V
C5803 0.001 50V
C5875 0.001 50V
C5876 0.1 16V
C5877 0.1 16V
C5879 10 16V
R5881 4.7k
FB5803 0uH
FB5806 0uH
FB5807 0uH
FB5805 0uH
FB5804 0uH
HDMI1.8V
HDMI3.3V
R5870 1k
R5879 0
R5882 10k
R5878 1M
X5800 27MHz
RB5800 33
RB5871 33
R5877 1.8k 1/16W
C5871 15p 50V
C5873 12p 50V
HDMI_RST
IC5800 CS4335-KSZR
DIN
BCLK
LRCLK
MCLK
AOUTL
VDD
GND
AOUTR
C5837 2.2 10V
R5860 2.2k
R5872 47k
C5839 680p 50V
Q5807 DTC614TUT106
HDMI_L
HDMI_R
C5838 2.2 10V
R5861 2.2k
R5873 47k
C5840 680p 50V
Q5808 DTC614TUT106
D5V
L5804 10uH
C5904 0.1 16V
C5802 10 16V
HDMI_D/A
IC5802 RT8H225C
R
OUT
VCC
GND
IN
C
L:mute H:enable
C5841 0.22 16V
D5815 XX
TR_INTN
R5875 1M
R5810 0
R5814 0
CN5801
C5805 XX
C5817 XX
R5803 1k
R5802 10
R5821 10k
Q5802 DTC114EUA-T106
C5893 0.001 50V
HPMT2
C5896 0.001 50V
Q5803 2SK1828
R5830 47k
C5897 0.01 16V
R5844 10 R1XC-
R5845 10 R1XC+
R5846 10 R1X0-
R5848 10 R1X0+
R5849 10 R1X1-
R5850 10 R1X1+
R5851 10 R1X2-
R5856 10 R1X2+
D5801 MA111-(K8).S0
D5802 MA111-(K8).S0
C5819 0.1
R5826 3.9k
R5827 3.9k
IC5803 BR24L02F-WE2
R5804 0
R5819 0
R5820 0
R5825 3.9k
R5829 100
R5857 3.9k
R5859 3.9k
R5823 100
R5824 100
Q5813 SSM6N15FU(TE85R)
Q5810 DTC114EUA-T106
R5839 47
WRT_PRT
C5900 0.01 16V
VD5815 PGB0010603NR
VD5816 PGB0010603NR
B2 9/11
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 9/11 ~


BE.-WAX2F(KDL-40/46W2000)
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
REG17.5V
F7000 3.15A 24V
PS7000 3.15A 24V
D7006 MA111-(K8).S0
IC7001 PQ1CY1032ZP
VIN
VOUT
COM
OADJ
ON/OFF
L7000 47uH
R7016 0
R7110 0
R7111 0
C7010 470 25V
C7067 470 25V
C7011 0.1 50V
C7012 0.1 25V
D7007 RB050L-40TE25
C7019 1000 6.3V
D7010 PTZ-TE25-5.6B
C7065 1000 6.3V
Q7000 FDS4435A
Q7003 RSS100N03TB
L7002 10uH
D7000 M2FM3
D7003 PTZ-TE25-3.9B
L7006 XX
VA1.8
VL1.8
VD1.8
IC7002 MB39C011A
Vcc
VH
OUT1_1
OUT2_1
OUT1_2
OUT2_2
VB
CTL
RT
GND
FB1
FB2
-INE1
-INE2
CSCP1
CSCP2
POWER2
Q7002 RSQ035P03TR
Q7004 RTQ045N03TR
L7005 10uH
D7001 RB050L-40TE25
D7002 PTZ-TE25-3.9B
IC7003 MM1662FTRE
L7007 4.7uH
FB7000
D3.3V-2
D3.3V
VDDA3.3V
IC7005 XX
VCC
OUT
GND
D5V
IC7000 BD9775FV
FB1
INV1
RT
CT
FIN
GND
VREF
DTC1
DTC2
INV2
FB2
CTL1
CTL2
VCC
VS1
CL1
PVCC1
OUT1
VREGB
OUT2H
PVCC2
CL2
VS2
SCP
VREGA
OUT2L
PGND
SYNC
L7003 22uH
PBS6.2/10.5V
Q7001 RSQ035P03TR
D7004 RB050L-40TE25
D7008 PTZ-TE25-6.8BA
L7004 22uH
PANEL_VCC
D7005 RB050L-40TE25
D7009 PTZ-TE25-15B
Q7005 RSS050P03FTB
PANEL_GND
L7001 10uH
POWER3
POWER4
Q7009 RSS100N03TB
CN7002
CN7003
CN7004
CN7005
CN7010
CN7011
CN7012
CN7013
CN7014
CN7015
CN7016
CN7017
CN7018
CN7019
D6V
STBY3.3V
AC_OFF_DET_AU
S1_OFF
PFC_DET
Q7012 DTC115EUA-T106
Q7015 DTA115EUA-T106
Q7016 DTC115EUA-T106
DIMMER
BACKLIGHT
Q7006 XX
POWER5
POWER1
CN7009 9P
1 DIMMER
2 BACKLIGHT
3 PANEL_DET
4 POWER5
5 PFC_DET
6 POWER_ON
7 GND
8 AC_DET
9 GND
FB7001 0uH
FB7002 0uH
FB7003 0uH
FB7004 0uH
FB7010 0uH
FB7011 0uH
FB7014 0uH
FB7009 0uH
AC_DET
D3.3V
D5V
PANEL_FAIL
Q7008 DTC114EUA-T106
Q7007 2SC4154-F
UNREG10.5V
Q7013 XX
Q7014 XX
D7011 XX
CN7008 9P
1 A9V
2 GND
3 D5V
4 D3.3V
5 GND
6 GND
7 TR_HS
8 TR_VS
9 GND
FB7005 0uH
FB7007 0uH
FB7008 0uH
FB7006 0uH
A9V
D5V
D3.3V
DTT_BUS_INT_J/TR_HS_UC
FE_SCK_J/TR_VS_UC
A_GND
IC7006 XX
Vin
OnOffControl
Vout
Vadj
GND
L7008 XX
UNREG10.5V
FAN_DRV
FAN_ERR
IC7007 XX
Q7010 XX
Q7011 XX
D7016 XX
D7017 XX
D7018 XX
CN7006 XX
1 FAN_DRV_L1
2 FAN_ERR_L1
3 GND
4 FAN_DRV_L2
5 FAN_ERR_L2
6 GND
FB7012 XX
FB7013 XX
FB7015 XX
FB7016 XX
BE 10/11
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 10/11 ~

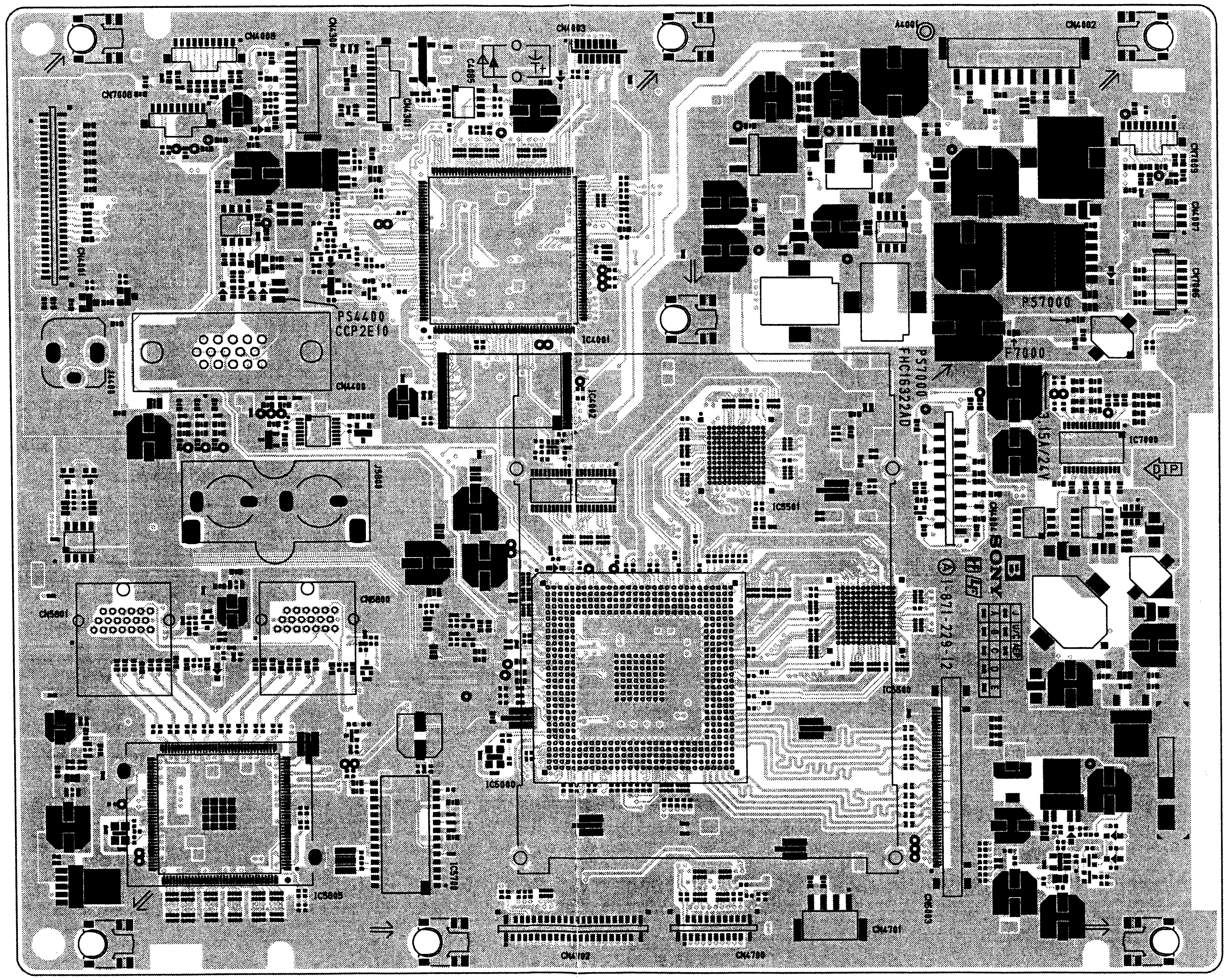

BE.-WAX2F(KDL-40/46W2000)
SYSTEM(J)/SD_VIDEO(AEP)
CN4700
20P
GND 20
U_DIN/DCLK 19
GND 18
U_DOUT/DY7 17
GND 16
U_CLK/DY6 15
GND 14
U_CE/DY5 13
GND 12
SPI_STATUS/DY4 11
MODEL1 10
U_ACT/DY3 9
MODEL2 8
U2_TX/DY2 7
GND 6
AC_DET/DY1 5
GND 4
RESET/DY0 3
TV_REC_ON 2
M_RST 1
R4728 0
R4727 0
D3.3V
R4725 XX
R4726 XX
R4702 XX
R4703 XX
R4724 XX
R4704 XX
R4705 XX
FB4700 XX
R4706 XX
R4707 XX
R4708 XX
FB4701 XX
R4709 XX
R4710 0
FE_SOUT
FE_SIN
FE_SCK_J/TR_VS_UC
DTT_BUS_INT_J/TR_HS_UC
DTT_BUS_ST
DTT_BUS_CS
DTTLOG
S1_OFF
MIPS_RST_IN
POWER2
DTT_RST
R4700 47
RB4700 100
RB4701 100
AEP_DCLK
AEP_DY7
AEP_DY6
AEP_DY5
AEP_DY4
AEP_DY3
AEP_DY2
AEP_DY1
AEP_DY0
SD_VIDEO
R4715 22k
RB4711 22k
RB4712 22k
FROM F/E HD VIDEO(DIGITAL)
MAIN_DIN
INPUT TO Trident
CN4702
XX
GND 40
DY0 39
GND 38
DY1 37
GND 36
DY2 35
GND 34
DY3 33
GND 32
DY4 31
GND 30
DY5 29
GND 28
DY6 27
GND 26
DY7 25
GND 24
DC0 23
GND 22
DC1 21
GND 20
DC2 19
GND 18
DC3 17
GND 16
DC4 15
GND 14
DC5 13
GND 12
DC6 11
GND 10
DC7 9
GND 8
DT_DHS 7
GND 6
DT_DVS 5
GND 4
DCLK 3
GND 2
DT_MUTE 1
RB4702 XX
RB4707 22k
RB4703 XX
RB4708 22k
RB4704 XX
RB4709 22k
RB4705 XX
RB4710 22k
DT_C_DY0
DT_C_DY1
DT_C_DY2
DT_C_DY3
DT_C_DY4
DT_C_DY5
DT_C_DY6
DT_C_DY7
DT_C_DC0
DT_C_DC1
DT_C_DC2
DT_C_DC3
DT_C_DC4
DT_C_DC5
DT_C_DC6
DT_C_DC7
R4711 XX
HS
DT_C_HS
R4712 XX
VS
DT_C_VS
R4713 XX
CLK
DT_C_CLK
R4716 22k
R4717 22k
R4718 22k
R4714 XX
C4703 XX
DTT_MUTE
R4721 XX
FE_SIN
R4722 XX
FE_SOUT
R4723 XX
TO F/E POWER(J&U/C)
CN4701
XX
+10.5V 1
+10.5V 2
GND 3
GND 4
C4701 XX
C4700 XX
C4702 XX
L4700 XX
L4701 XX
R4719 0
R4720 0
UNREG10.5V
FE8/8.5/10.5V
BE 11/11
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ BE Board Schematic Diagram [Main Micro Processor & Video Processor] Page 11/11 ~

A B C D E F G H I J K L M N O

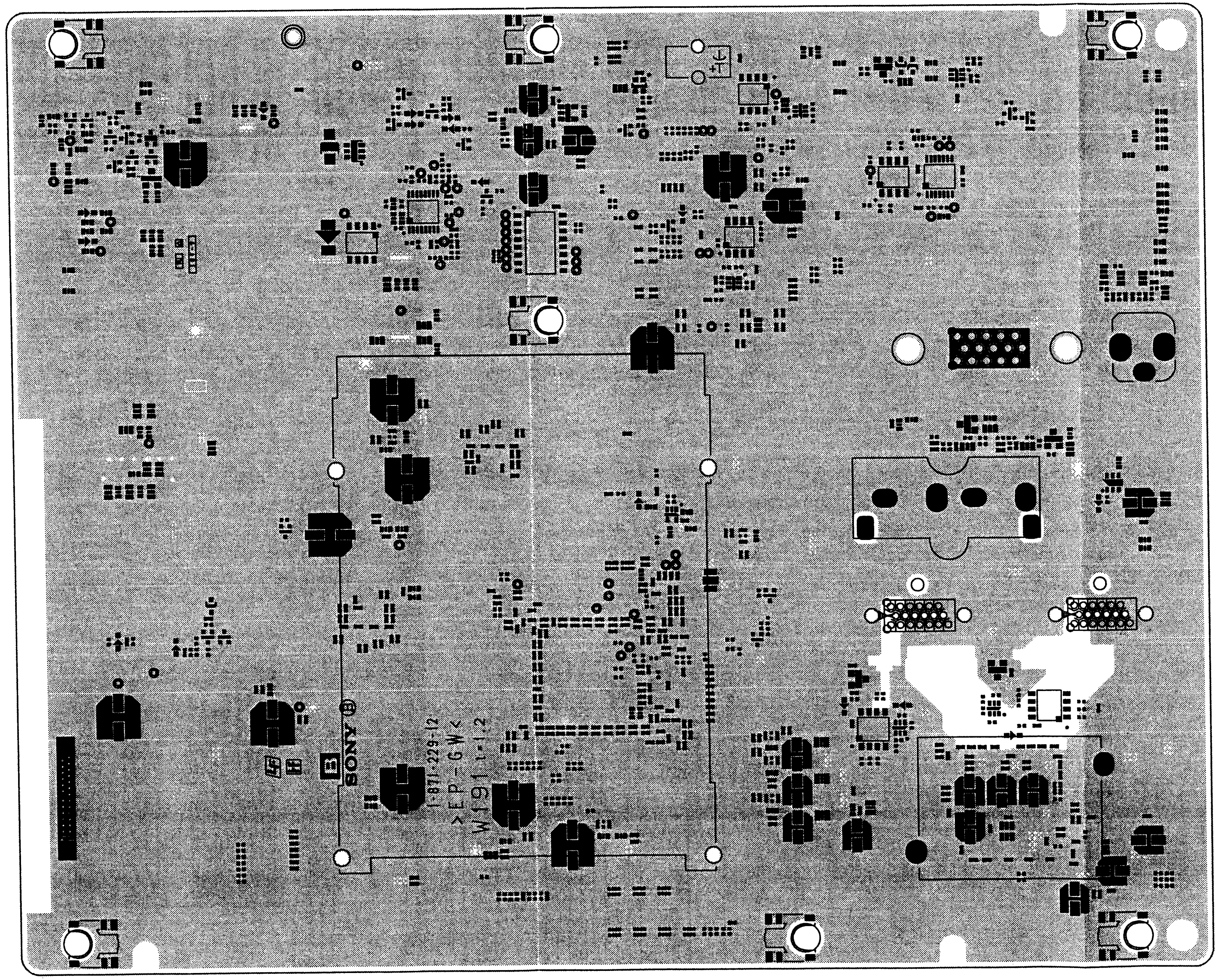
1 2 3 4 5 6 7 8 9 10 11

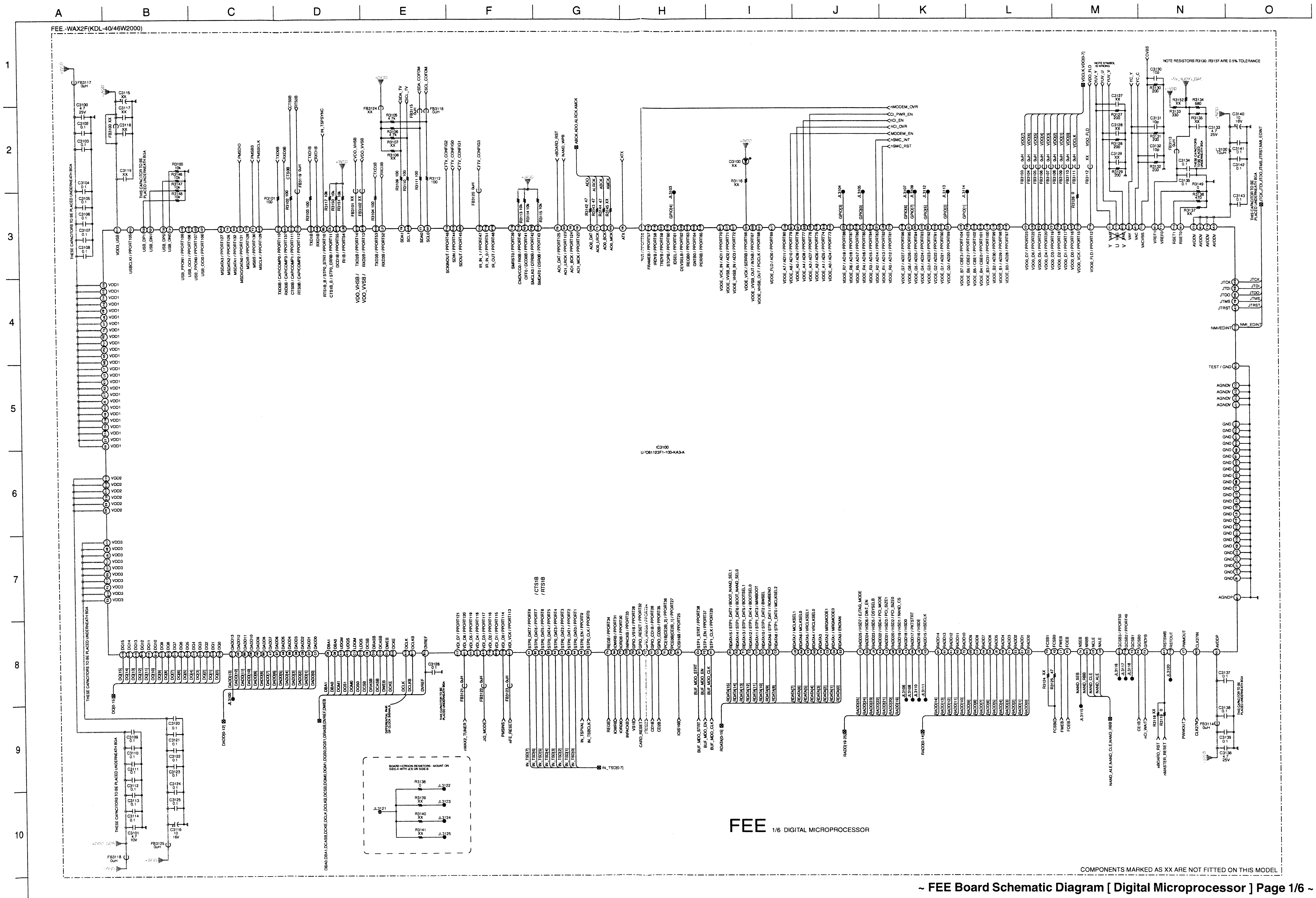
~ BE Printed Wiring Board Conductor Side A ~



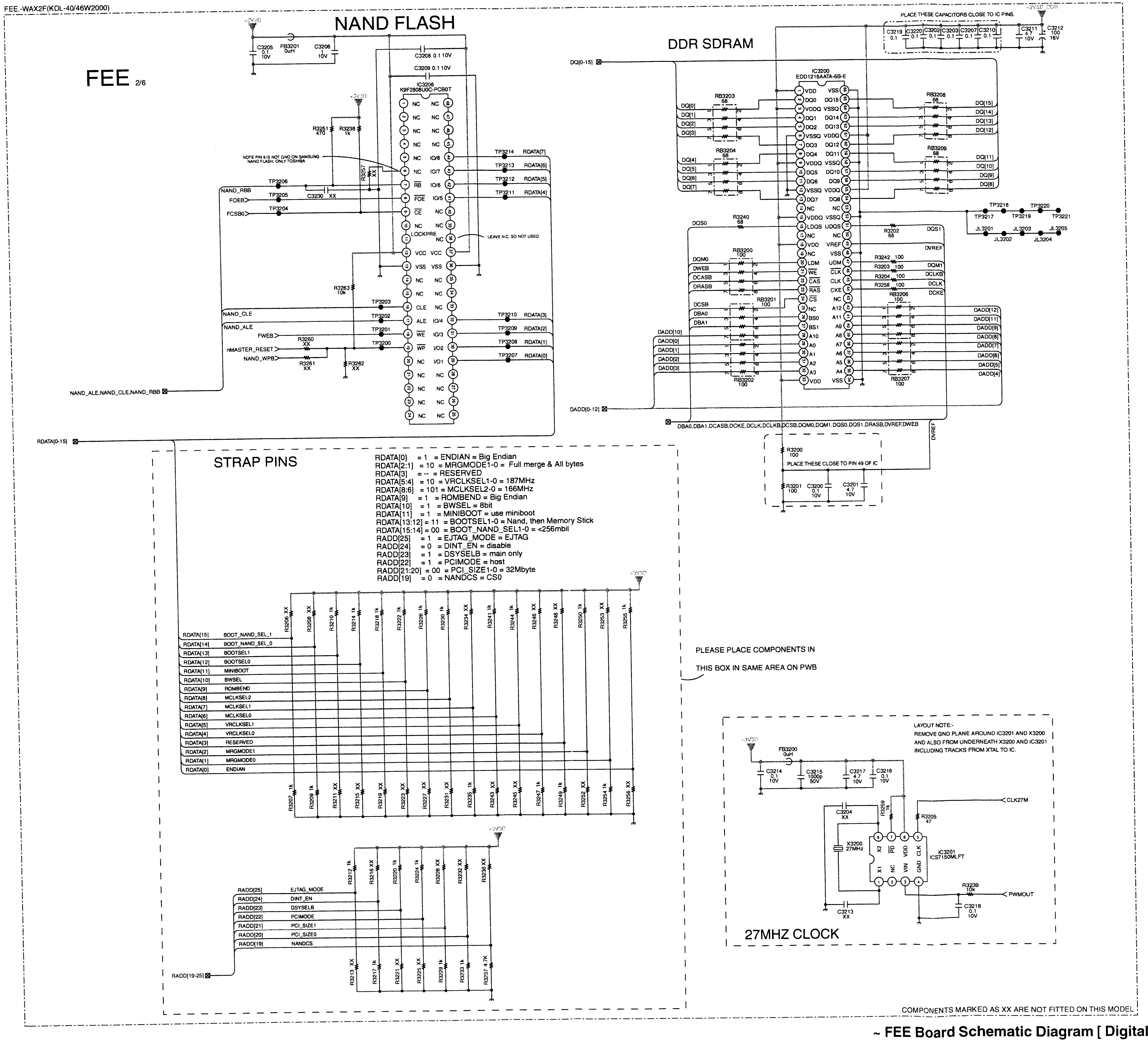
PS4400
CCP2E10
IC4001
CN4400
PS7000
F7000
PS7000
FHC16322AD
1.5A/24V
DIP
IC7000
IC5501
IC5600
IC5005
CN4702
CN4700
CN4701
CN4002
A4001
SONY
B
Ⓐ1-871-229-12

~ BE Printed Wiring Board Conductor Side B ~


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
SONY
B
1-871-229-12
>EP-GW<
W191-1.2

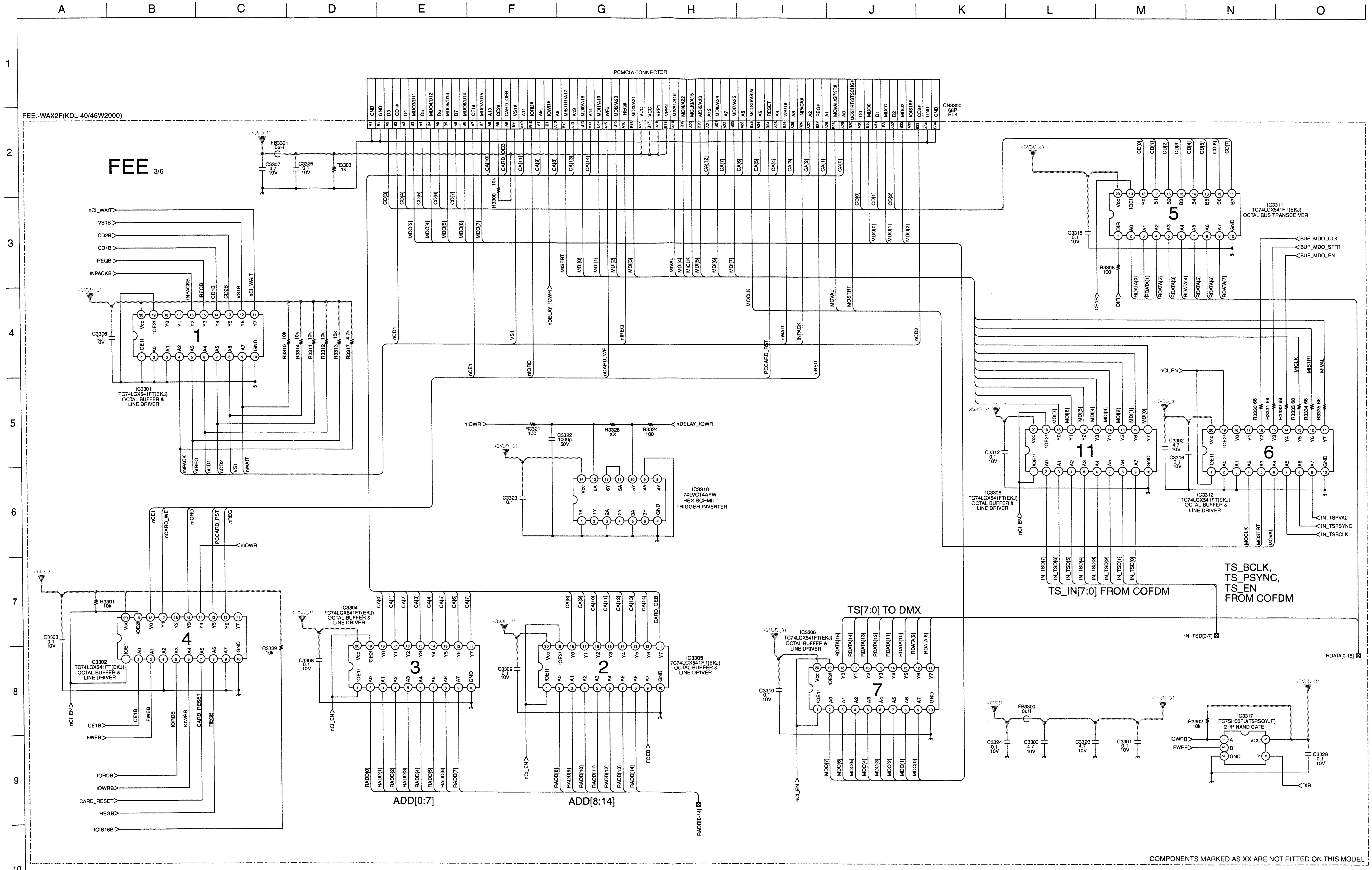

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
FEE.-WAX2F(KDL-40/46W2000)
IC3100
UPD61123F1-100-KA3-A
NOTE RESISTORS R3130, R3137 ARE 0.5% TOLERANCE
THESE CAPACITORS TO BE PLACED UNDERNEATH BGA
BOARD VERSION RESISTORS - MOUNT ON SIDE-A WITH JL'S ON SIDE-B
FEE 1/6 DIGITAL MICROPROCESSOR
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ FEE Board Schematic Diagram [Digital Microprocessor] Page 1/6 ~

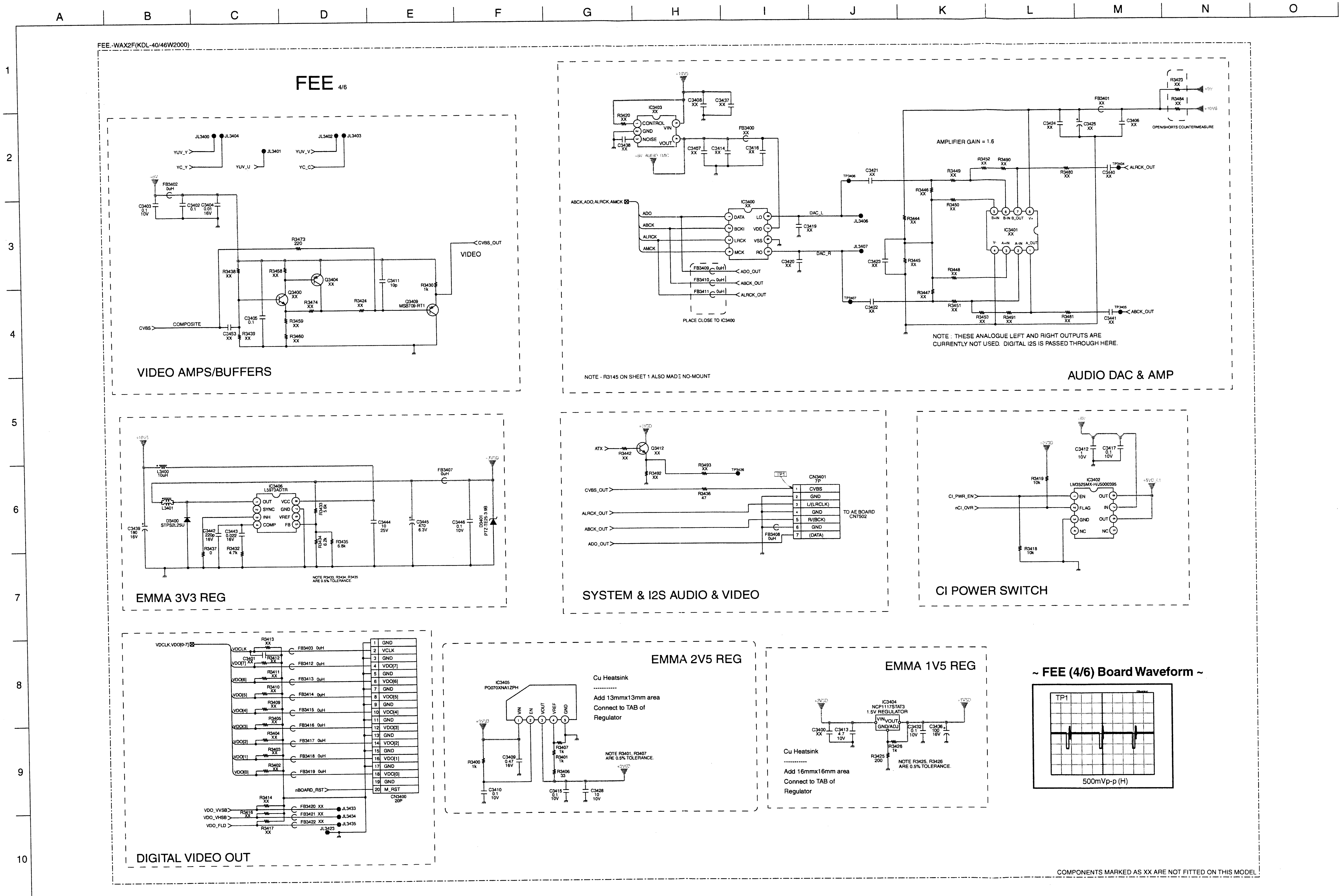

FEE-WAX2F(KDL-40/46W2000)
FEE 2/6
NAND FLASH
IC3206
K9F2808U0C-PCB0T
NOTE PIN 6 IS NOT GND ON SAMSUNG NAND FLASH, ONLY TOSHIBA
LEAVE N.C. SO NOT USED
NAND_RBB
FOEB
FCSB0
NAND_CLE
NAND_ALE
FWEB
nMASTER_RESET
NAND_WPB
NAND_ALE,NAND_CLE,NAND_RBB
RDATA[0-15]
DDR SDRAM
IC3200
EDD1216AATA-6B-E
PLACE THESE CAPACITORS CLOSE TO IC PINS.
DQ[0-15]
DADD[0-12]
DBA0,DBA1,DCASB,DCKE,DCLK,DCLKB,DCSB,DQM0,DQM1,DQS0,DQS1,DRASB,DVREF,DWEB
PLACE THESE CLOSE TO PIN 49 OF IC
STRAP PINS
RADD[19-25]
PLEASE PLACE COMPONENTS IN THIS BOX IN SAME AREA ON PWB
LAYOUT NOTE:- REMOVE GND PLANE AROUND IC3201 AND X3200 AND ALSO FROM UNDERNEATH X3200 AND IC3201 INCLUDING TRACKS FROM XTAL TO IC.
IC3201
ICS7150MLFT
X3200
27MHz
CLK27M
PWMOUT
27MHZ CLOCK
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

RDATA[0] = 1 = ENDIAN = Big Endian
RDATA[2:1] = 10 = MRGMODE1-0 = Full merge & All bytes
RDATA[3] = -- = RESERVED
RDATA[5:4] = 10 = VRCLKSEL1-0 = 187MHz
RDATA[8:6] = 101 = MCLKSEL2-0 = 166MHz
RDATA[9] = 1 = ROMBEND = Big Endian
RDATA[10] = 1 = BWSEL = 8bit
RDATA[11] = 1 = MINIBOOT = use miniboot
RDATA[13:12] = 11 = BOOTSEL1-0 = Nand, then Memory Stick
RDATA[15:14] = 00 = BOOT_NAND_SEL1-0 = <256mbit
RADD[25] = 1 = EJTAG_MODE = EJTAG
RADD[24] = 0 = DINT_EN = disable
RADD[23] = 1 = DSYSELB = main only
RADD[22] = 1 = PCIMODE = host
RADD[21:20] = 00 = PCI_SIZE1-0 = 32Mbyte
RADD[19] = 0 = NANDCS = CS0

~ FEE Board Schematic Diagram [Digital Microprocessor] Page 2/6 ~


FEE 3/6
FEE.-WAX2F(KDL-40/46W2000)
PCMCIA CONNECTOR
CN3300 68P BLK
IC3301 TC74LCX541FT(EKJ) OCTAL BUFFER & LINE DRIVER
IC3302 TC74LCX541FT(EKJ) OCTAL BUFFER & LINE DRIVER
IC3304 TC74LCX541FT(EKJ) OCTAL BUFFER & LINE DRIVER
IC3305 TC74LCX541FT(EKJ) OCTAL BUFFER & LINE DRIVER
IC3306 TC74LCX541FT(EKJ) OCTAL BUFFER & LINE DRIVER
IC3308 TC74LCX541FT(EKJ) OCTAL BUFFER & LINE DRIVER
IC3311 TC74LCX541FT(EKJ) OCTAL BUS TRANSCEIVER
IC3312 TC74LCX541FT(EKJ) OCTAL BUFFER & LINE DRIVER
IC3316 74LVC14APW HEX SCHMITT TRIGGER INVERTER
IC3317 TC7SH00FU(T5RSOYJF) 2 I/P NAND GATE
ADD[0:7]
ADD[8:14]
TS[7:0] TO DMX
TS_IN[7:0] FROM COFDM
TS_BCLK, TS_PSYNC, TS_EN FROM COFDM
RADD[0-14]
IN_TSD[0-7]
RDATA[0-15]
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

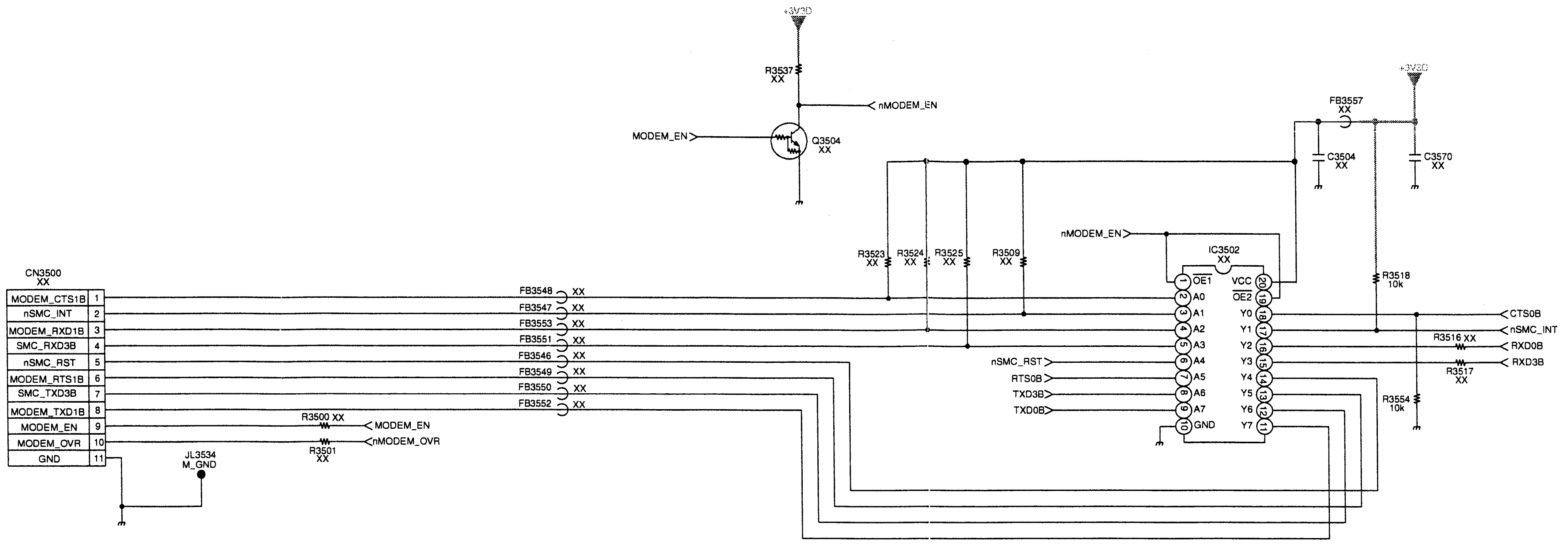
~ FEE Board Schematic Diagram [Digital Microprocessor] Page 3/6 ~


FEE-WAX2F(KDL-40/46W2000)
FEE 4/6
VIDEO AMPS/BUFFERS
AUDIO DAC & AMP
AMPLIFIER GAIN = 1.6
NOTE : THESE ANALOGUE LEFT AND RIGHT OUTPUTS ARE CURRENTLY NOT USED. DIGITAL I2S IS PASSED THROUGH HERE.
NOTE - R3145 ON SHEET 1 ALSO MADE NO-MOUNT
PLACE CLOSE TO IC3400
OPEN/SHORTS COUNTERMEASURE
EMMA 3V3 REG
NOTE R3433, R3434, R3435 ARE 0.5% TOLERANCE.
SYSTEM & I2S AUDIO & VIDEO
TO AE BOARD CN7502
CI POWER SWITCH
DIGITAL VIDEO OUT
EMMA 2V5 REG
Cu Heatsink
Add 13mmx13mm area Connect to TAB of Regulator
NOTE R3401, R3407 ARE 0.5% TOLERANCE.
EMMA 1V5 REG
Cu Heatsink
Add 16mmx16mm area Connect to TAB of Regulator
NOTE R3425, R3426 ARE 0.5% TOLERANCE.
~ FEE (4/6) Board Waveform ~
TP1
500mVp-p (H)
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

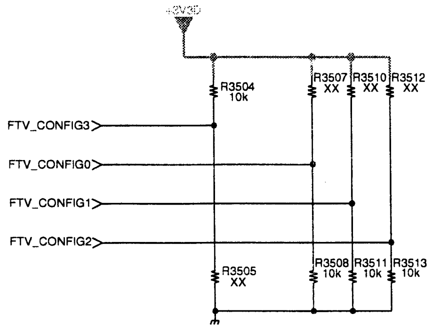
~ FEE Board Schematic Diagram [Digital Microprocessor] Page 4/6 ~

FEE.-WAX2F(KDL-40/46W2000)

FEE 5/6


+3V3D
R3537 XX
nMODEM_EN
MODEM_EN
Q3504 XX
FB3557 XX
+3V3D
C3504 XX
C3570 XX
R3523 XX
R3524 XX
R3525 XX
R3509 XX
nMODEM_EN
IC3502 XX
OE1
A0
A1
A2
A3
A4
A5
A6
A7
GND
VCC
OE2
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
R3518 10k
CTS0B
nSMC_INT
R3516 XX
RXD0B
RXD3B
R3517 XX
R3554 10k
nSMC_RST
RTS0B
TXD3B
TXD0B
CN3500 XX
MODEM_CTS1B
nSMC_INT
MODEM_RXD1B
SMC_RXD3B
nSMC_RST
MODEM_RTS1B
SMC_TXD3B
MODEM_TXD1B
MODEM_EN
MODEM_OVR
GND
FB3548 XX
FB3547 XX
FB3553 XX
FB3551 XX
FB3546 XX
FB3549 XX
FB3550 XX
FB3552 XX
R3500 XX
MODEM_EN
nMODEM_OVR
R3501 XX
JL3534 M_GND

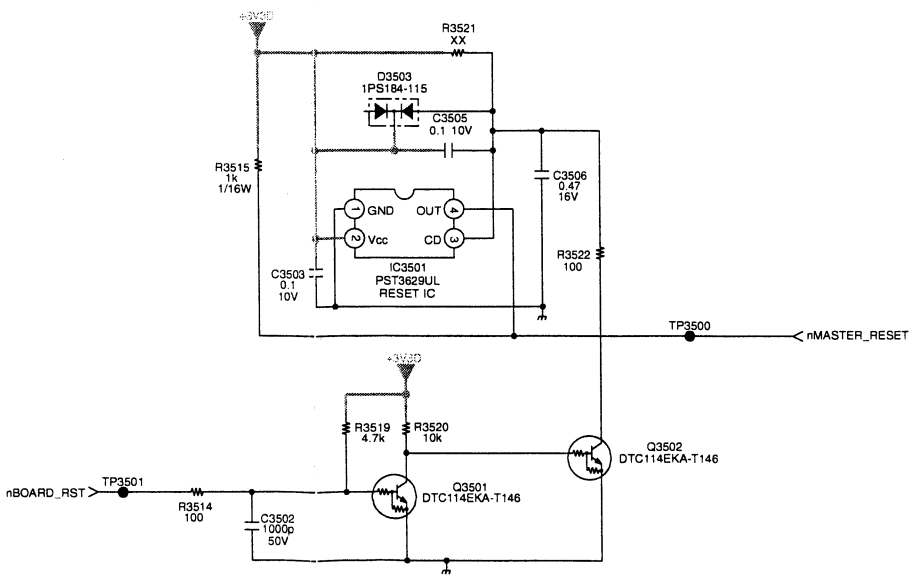
SMARTCARD AND MODEM

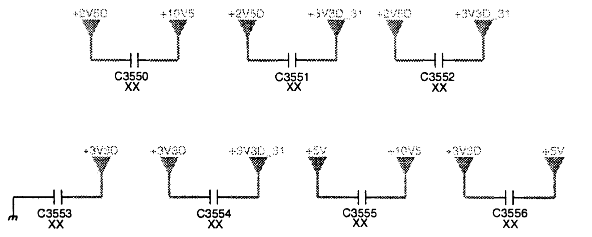

+3V3D
R3504 10k
R3507 XX
R3510 XX
R3512 XX
FTV_CONFIG3
FTV_CONFIG0
FTV_CONFIG1
FTV_CONFIG2
R3505 XX
R3508 10k
R3511 10k
R3513 10k

	00 TRIAL	CONF-1 / 2 TRIAL	CONF-3 / PP TRIAL
FTV_CONFIG3	0	0	1
FTV_CONFIG2	1	0	0
FTV_CONFIG1	0	0	0
FTV_CONFIG0	1	0	0

S/W OPTION SELECT RESISTORS

RESET

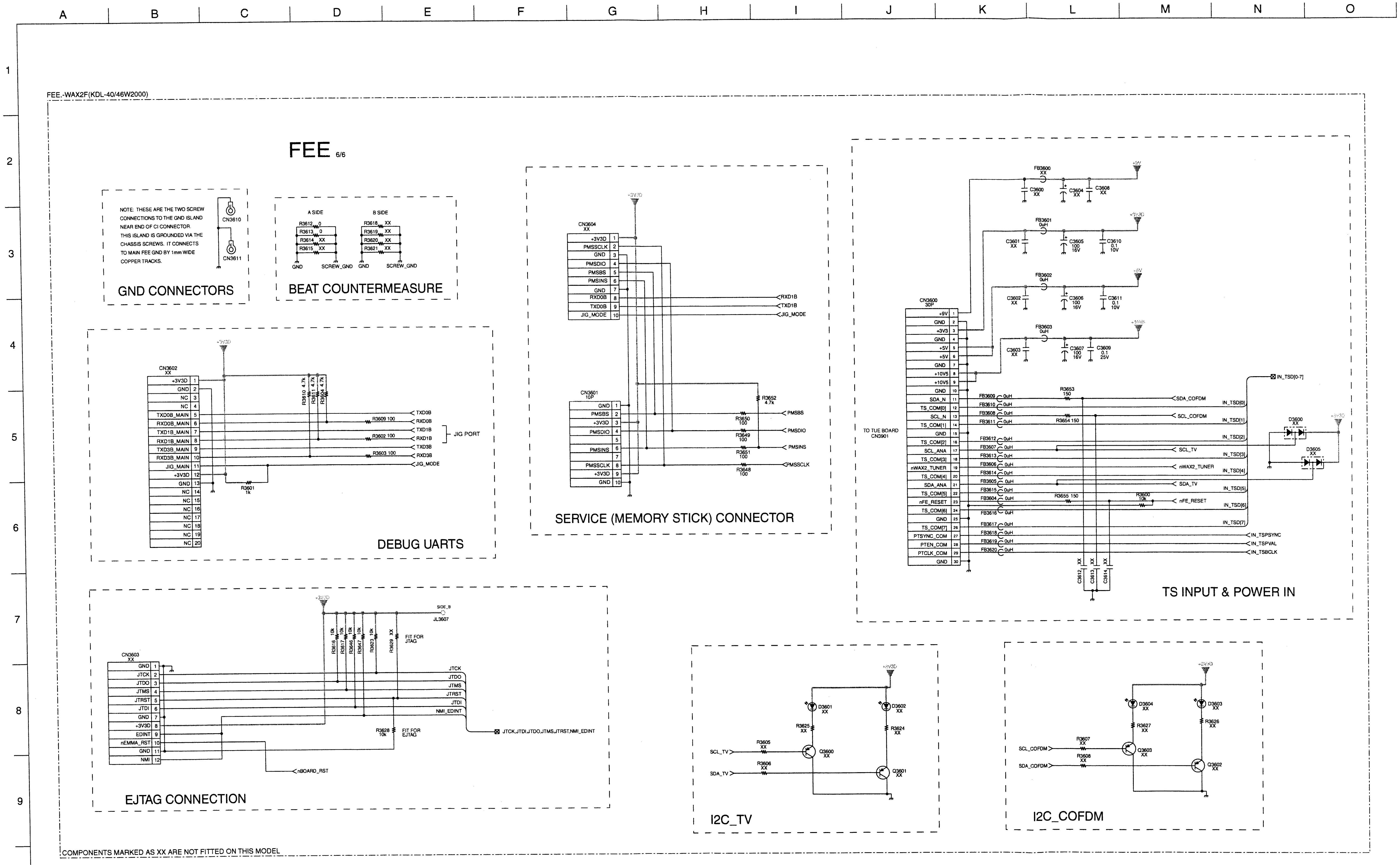

RESET SIGNAL GENERATION
+3V3D
R3521 XX
D3503 1PS184-115
C3505 0.1 10V
R3515 1k 1/16W
C3506 0.47 16V
GND
OUT
Vcc
CD
C3503 0.1 10V
IC3501 PST3629UL RESET IC
R3522 100
TP3500
nMASTER_RESET
+3V3D
R3519 4.7k
R3520 10k
Q3502 DTC114EKA-T146
nBOARD_RST
TP3501
R3514 100
C3502 1000p 50V
Q3501 DTC114EKA-T146


+2V5D
+10V5
C3550 XX
+2V5D
+3V3D_31
C3551 XX
+2V5D
+3V3D_31
C3552 XX
+3V3D
C3553 XX
+3V3D
+3V3D_31
C3554 XX
+5V
+10V5
C3555 XX
+3V3D
+5V
C3556 XX

NOISE IMPROVEMENT CAPACITORS

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

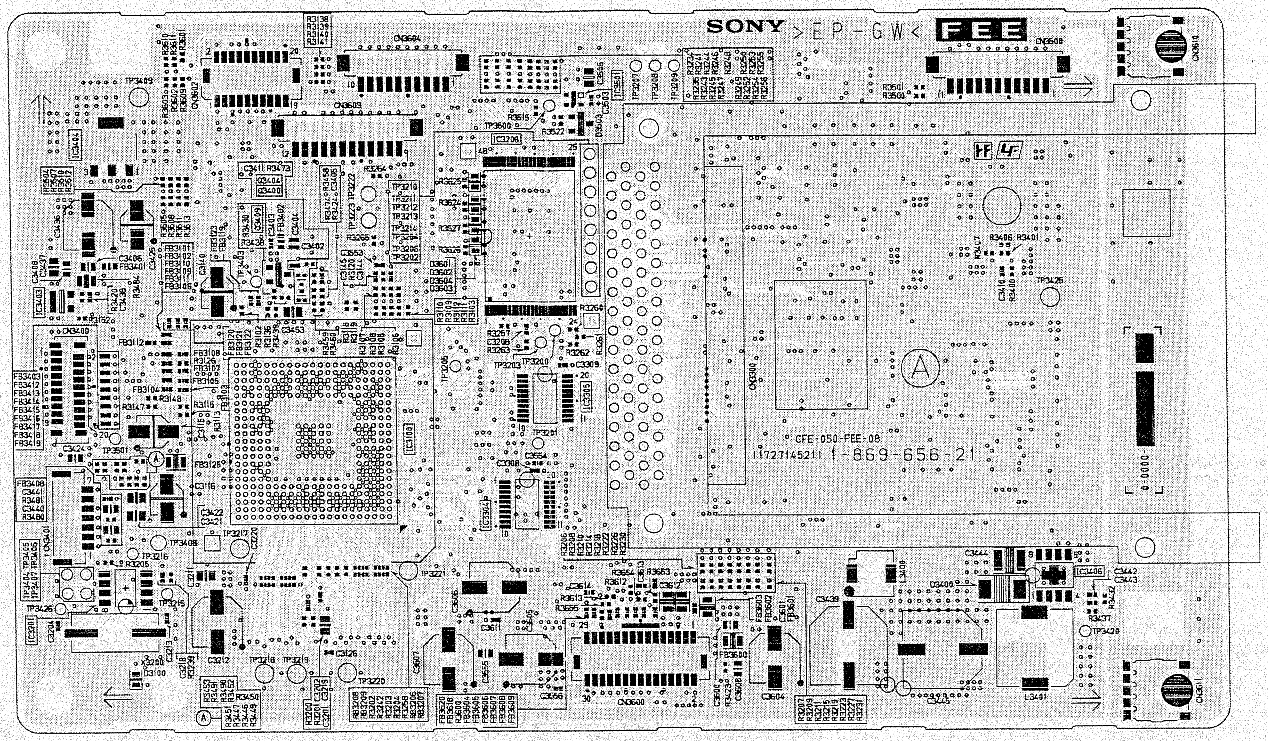
~ FEE Board Schematic Diagram [Digital Microprocessor] Page 5/6 ~


FEE.-WAX2F(KDL-40/46W2000)
FEE 6/6
NOTE: THESE ARE THE TWO SCREW CONNECTIONS TO THE GND ISLAND NEAR END OF CI CONNECTOR. THIS ISLAND IS GROUNDED VIA THE CHASSIS SCREWS. IT CONNECTS TO MAIN FEE GND BY 1mm WIDE COPPER TRACKS.
CN3610
CN3611
GND CONNECTORS
A SIDE
B SIDE
GND
SCREW_GND
BEAT COUNTERMEASURE
CN3602
DEBUG UARTS
JIG PORT
TXD0B
RXD0B
TXD1B
RXD1B
TXD3B
RXD3B
JIG_MODE
CN3604
CN3601
SERVICE (MEMORY STICK) CONNECTOR
PMSBS
PMSDIO
PMSINS
PMSSCLK
CN3600 30P
TO TUE BOARD CN3901
SDA_COFDM
SCL_COFDM
SCL_TV
nWAX2_TUNER
SDA_TV
nFE_RESET
IN_TSD[0-7]
IN_TSPSYNC
IN_TSPVAL
IN_TSBCLK
TS INPUT & POWER IN
CN3603
JTCK
JTDO
JTMS
JTRST
JTDI
NMI_EDINT
JTCK,JTDI,JTDO,JTMS,JTRST,NMI_EDINT
nBOARD_RST
FIT FOR JTAG
JL3607
EJTAG CONNECTION
I2C_TV
I2C_COFDM
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

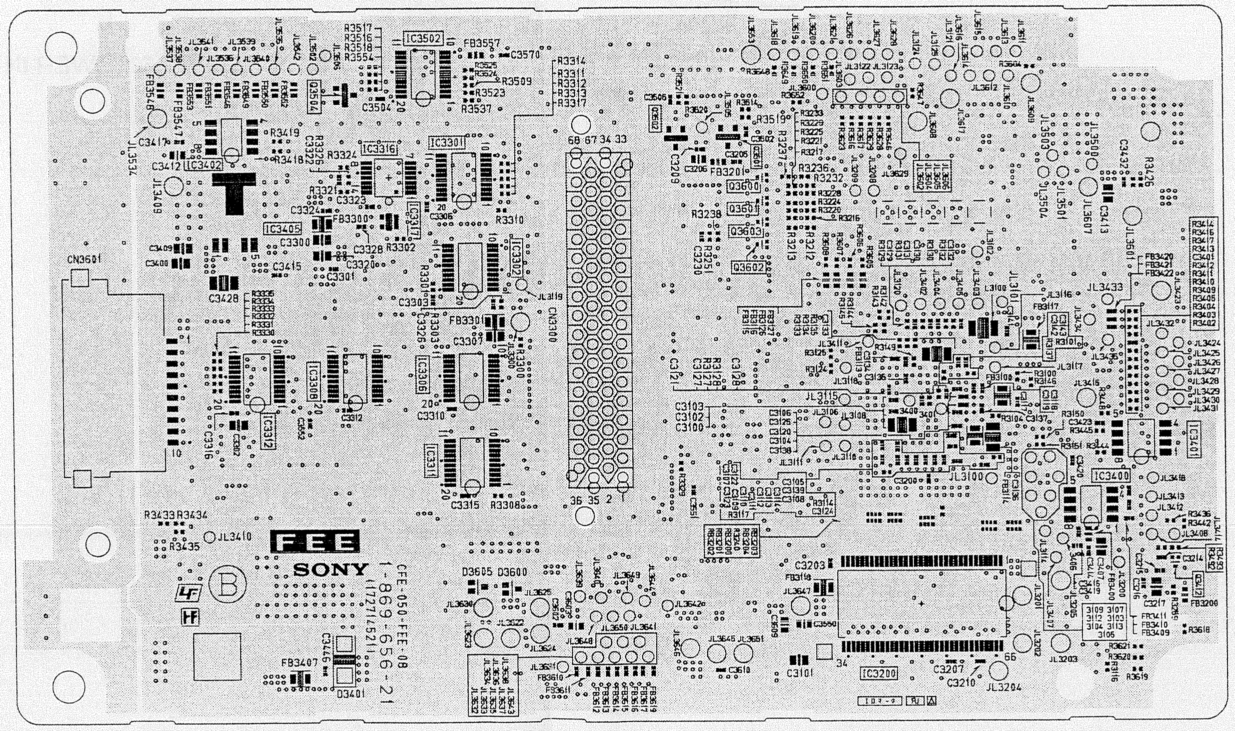
~ FEE Board Schematic Diagram [Digital Microprocessor] Page 6/6 ~

A B C D E F G H I J K L M N O

~ FEE Printed Wiring Board Conductor Side A ~


SONY
>EP-GW<
FEE
CFE-050-FEE-08
(1127145211) 1-869-656-21
A

~ FEE Printed Wiring Board Conductor Side B ~


FEE
SONY
B
CFE-050-FEE-08
(1127145211)
1-869-656-21

~ FEE Board Semiconductor Voltage Table Side A ~

Ref	(e)(s)	(b)(g)	(c)(d)
Q3409	1.0	0.3	0

~ FEE Board Semiconductor Location Table Side A ~

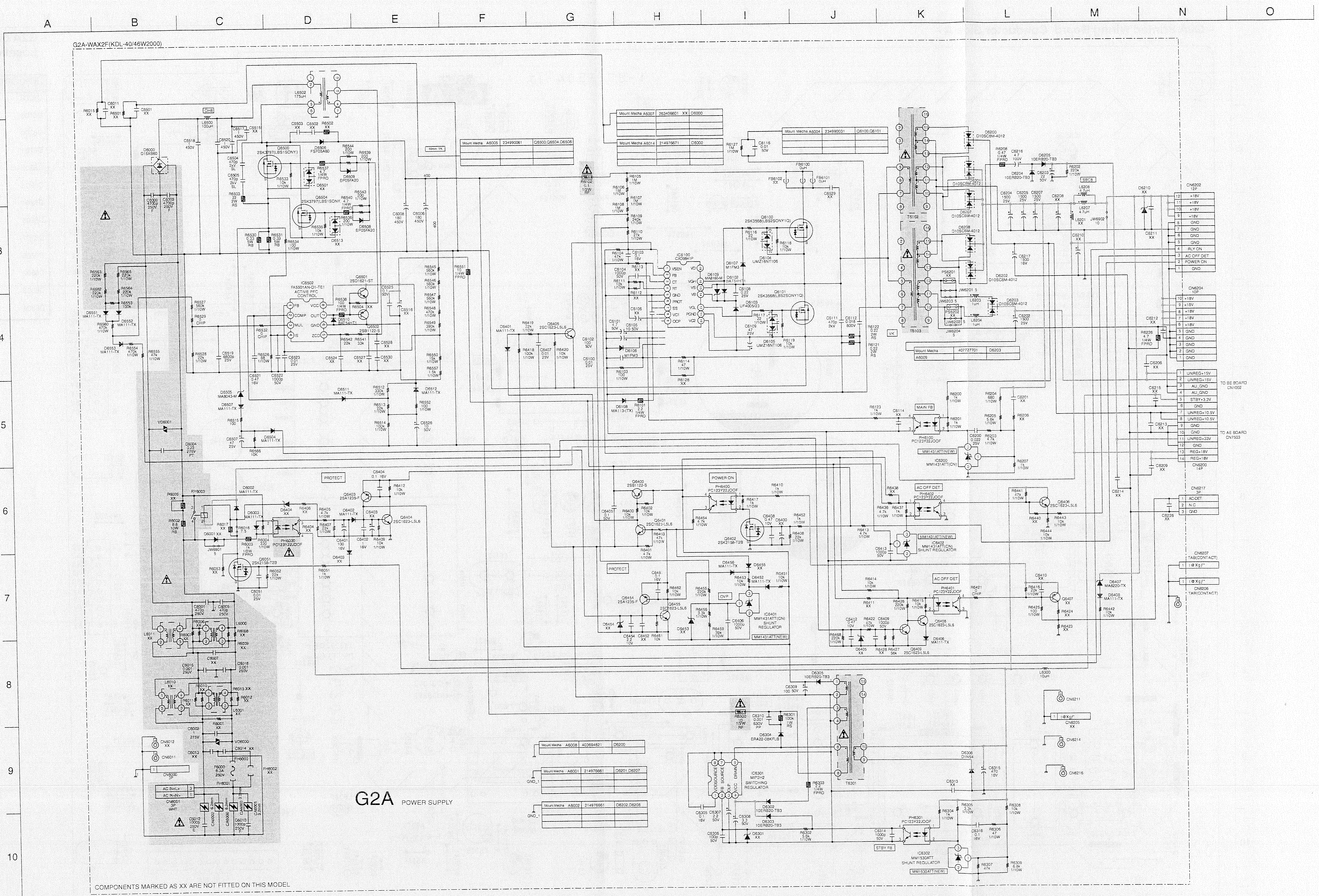
DIODE		IC							
				IC3206	C - 2	IC3403	A - 3	IC3501	D - 2
D3400	F - 4	IC3100	C - 3	IC3304	C - 4	IC3404	A - 2	**TRANSISTOR**	
D3503	D - 2	IC3201	A - 4	IC3305	D - 3	IC3406	F - 4	Q3409	B - 2

~ FEE Board IC Voltage Table Side A ~

Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
IC3201	1	1.3	IC3201	4	0	IC3201	8	1.9	IC3404	3	0	IC3406	3	0	IC3406	6	3.3
	2	0		5	1.7	IC3404	1	3.3	IC3406	1	3.4		4	1.0		7	0
	3	1.7		6-7	3.3		2	1.5		2	1.4		5	1.2		8	13.0

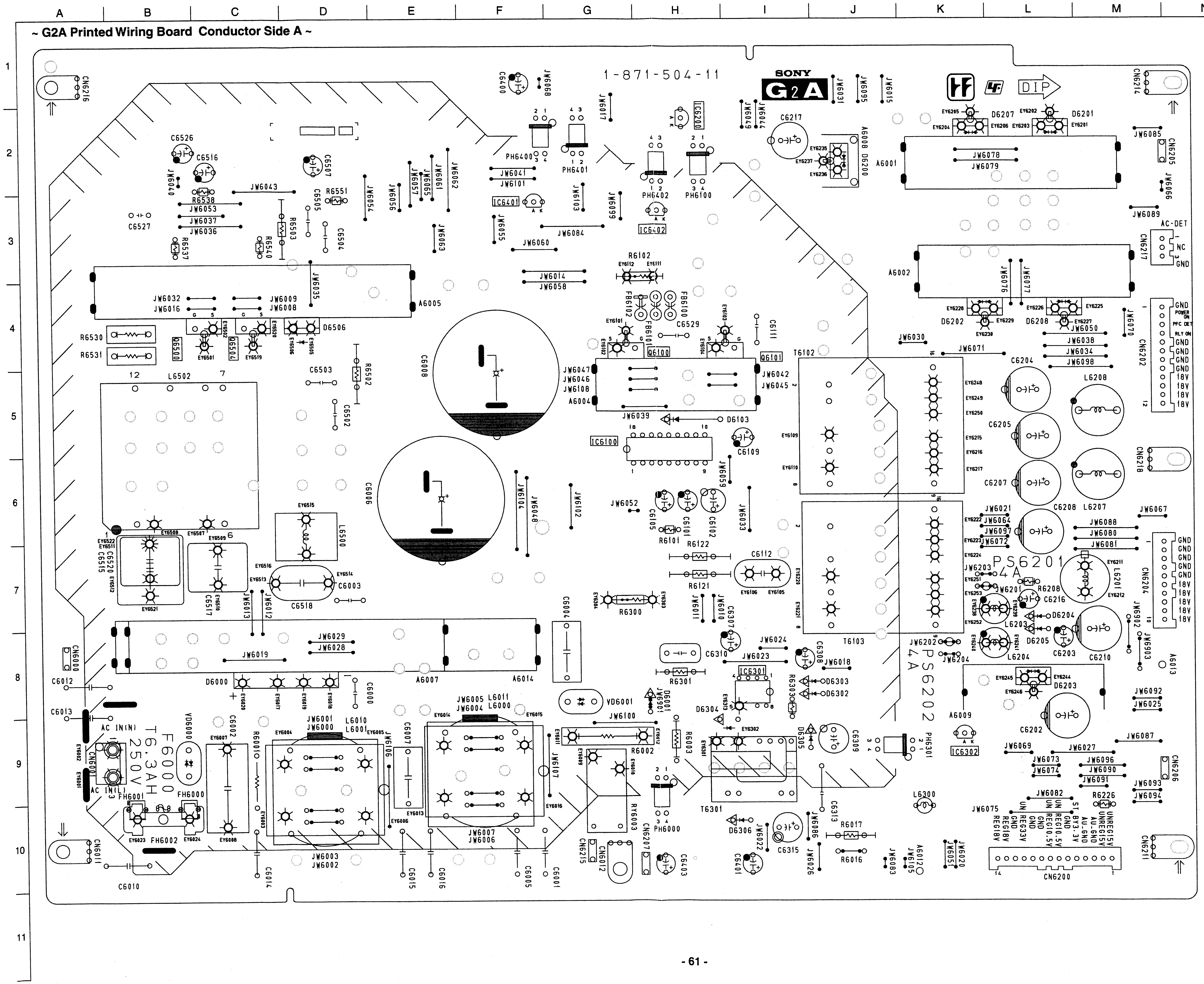
~ FEE Board Semiconductor Location Table Side B ~

DIODE		IC							
				IC3306	C - 8	IC3316	C - 7	IC3405	B - 8
D3401	B - 10	IC3200	E - 10	IC3308	B - 8	IC3317	C - 8	**TRANSISTOR**	
D3600	C - 10	IC3301	C - 7	IC3311	C - 9	IC3400	F - 9	Q3501	E - 7
D3605	C - 10	IC3302	C - 8	IC3312	B - 8	IC3402	B - 7	Q3502	D - 7


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
G2A-WAX2F(KDL-40/46W2000)
D6000 D15XB60
L6502 175uH
Q6500 2SK3797(LBS1SONY)
Q6504 2SK3797(LBS1SONY)
IC6502 FA5501AN-D1-TE1 ACTIVE PFC CONTROL
Q6501 2SC1621-ST
Q6502 2SB1122-S
IC6100 CXD9841P
Q6100 2SK3568(LBS2SONY1Q)
Q6101 2SK3568(LBS2SONY1Q)
T6102
T6103
CN6202 12P
+18V
GND
RLY ON
AC OFF DET
POWER ON
CN6204 10P
UNREG+15V
AU_GND
STBY+3.3V
UNREG+10.5V
UNREG+33V
REG+18V
CN6200 14P
TO BE BOARD CN1002
TO AE BOARD CN7503
CN6217
AC DET
N.C
MAIN FB
PH6100 PC123Y22J0OF
IC6200 MM1431ATT(CN)
PROTECT
POWER ON
PH6400 PC123Y22J0OF
AC OFF DET
PH6402 PC123Y22J0OF
PH6401 PC123Y22J0OF
IC6402 MM1431ATT(CN) SHUNT REGULATOR
OVP
IC6401 MM1431ATT(CN) SHUNT REGULATOR
PH6000 PC123Y22J0OF
Q6051 2SK2158-T2B
Q6402 2SK2158-T2B
RY6003
T6301
IC6301 MIP2H2 SWITCHING REGULATOR
PH6301 PC123Y22J0OF
IC6302 MM1530ATT SHUNT REGULATOR
STBY FB
CN6001 3P WHT
AC IN<L>
AC IN<N>
CN6011
CN6012
CN5211
CN6214
CN6216
CN6207 TAB(CONTACT)
CN6206 TAB(CONTACT)
G2A POWER SUPPLY
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ G2A Board Schematic Diagram [Power Supply] ~

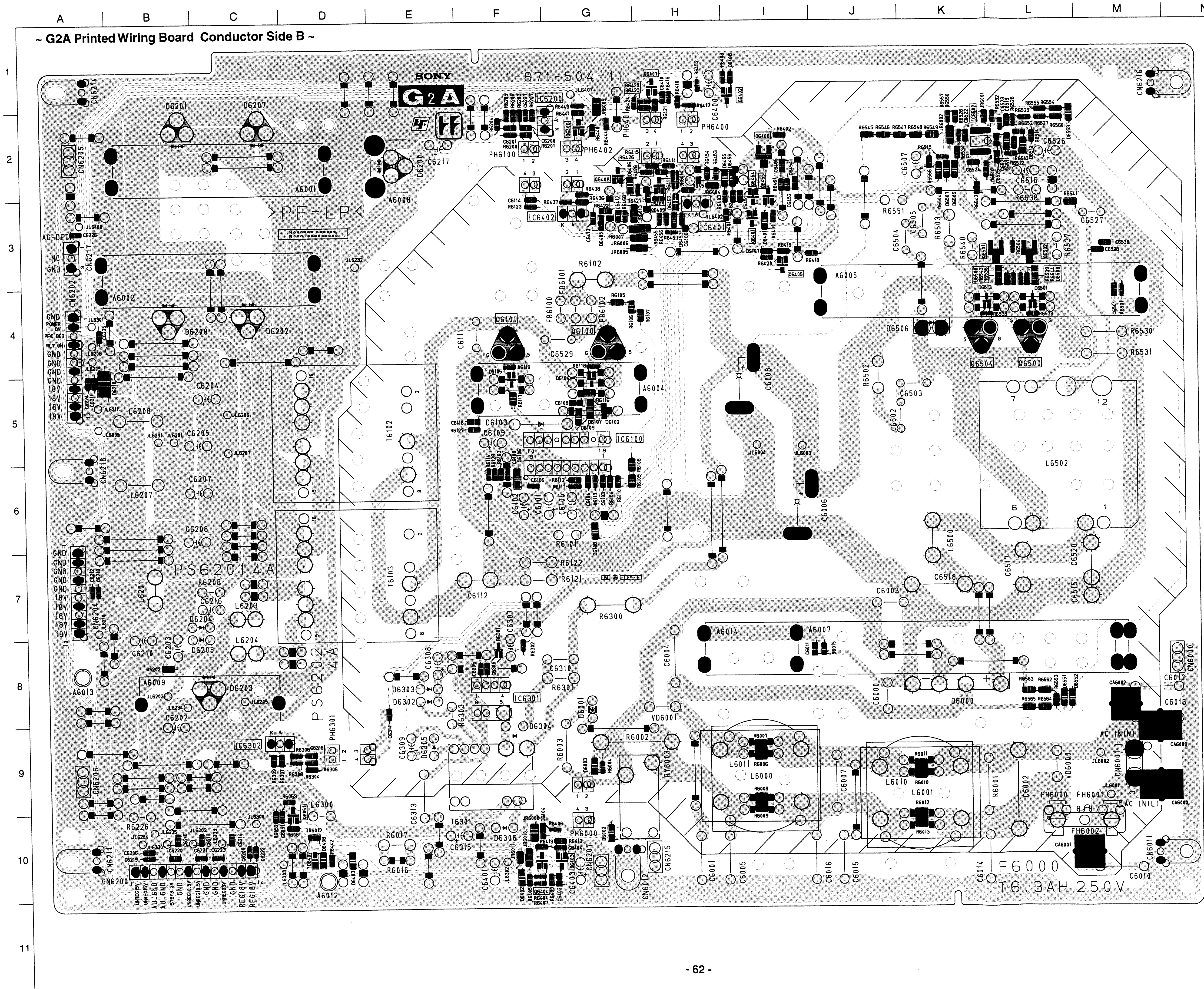
~ G2A Printed Wiring Board Conductor Side A ~


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
1-871-504-11
SONY
G2A
DIP
CN6216
CN6214
CN6205
CN6217
AC-DET
NC
GND
CN6202
POWER ON
PFC DET
RLY ON
18V
CN6218
CN6204
CN6206
CN6211
CN6200
CN6000
CN6001
CN6011
CN6215
CN6012
CN6207
AC IN(N)
AC IN(L)
F6000
T6.3AH
250V
FH6000
FH6002
VD6000
VD6001
A6001
A6002
A6004
A6005
A6007
A6008
A6009
A6013
A6014
T6102
T6103
T6301
PS6201
PS6202
RY6003
PH6000
PH6100
PH6301
PH6400
PH6401
PH6402
IC6100
IC6200
IC6301
IC6302
IC6401
IC6402
Q6100
Q6101
Q6500
Q6504
D6000
D6103
D6200
D6201
D6202
D6203
D6204
D6205
D6207
D6208
D6302
D6303
D6304
D6305
D6306
D6506
L6000
L6001
L6010
L6011
L6200
L6201
L6203
L6204
L6207
L6208
L6300
L6500
L6502
C6000
C6001
C6002
C6003
C6004
C6005
C6006
C6007
C6008
C6010
C6012
C6013
C6014
C6015
C6016
C6101
C6102
C6105
C6109
C6111
C6112
C6202
C6203
C6204
C6205
C6207
C6208
C6210
C6216
C6217
C6307
C6308
C6309
C6310
C6313
C6315
C6400
C6401
C6403
C6502
C6503
C6504
C6505
C6507
C6515
C6516
C6517
C6518
C6520
C6526
C6527
R6002
R6003
R6010
R6016
R6017
R6101
R6102
R6121
R6122
R6208
R6226
R6300
R6301
R6303
R6502
R6503
R6530
R6531
R6537
R6538
R6540
R6551
FB6100
FB6101
FB6102
UNREG15V
UNREG15V
AU.GND
ST.BY3.3V
GND
UN.REG10.5V
UN.REG10.5V
REG33V
GND
REG18V
REG18V
-61-

~ G2A Board Semiconductor Location Table Side A ~

DIODE			
D6000	C - 8	D6305	I - 9
D6103	H - 5	D6306	H - 1
D6200	J - 2	D6506	D - 4
D6201	M - 2	**IC**	
D6202	K - 4	IC6200	H - 2
D6203	L - 8	IC6301	I - 8
D6204	L - 7	IC6302	K - 9
D6205	K - 8	IC6401	F - 3
D6207	L - 2	IC6402	H - 3
D6208	L - 8	**TRANSISTOR**	
D6302	J - 8	Q6100	H - 4
D6303	J - 8	Q6101	I - 4
D6304	H - 8	Q6500	B - 4
		Q6504	C - 4

~ G2A Printed Wiring Board Conductor Side B ~

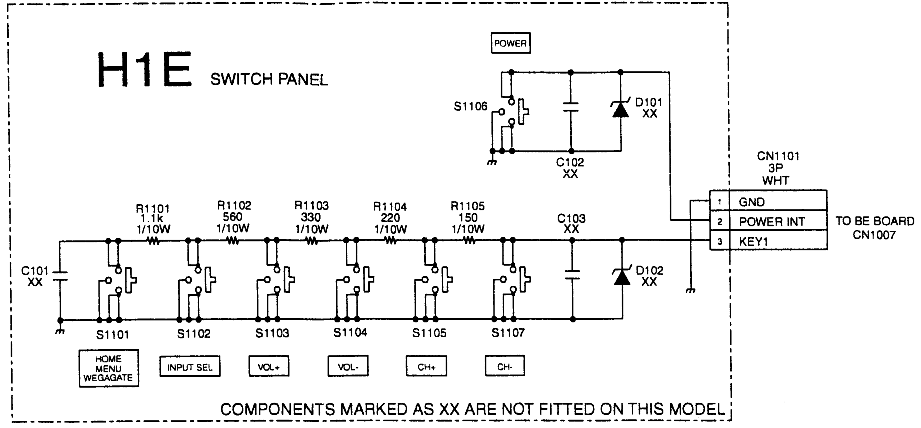

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
SONY
1-871-504-11
G2A
>PF-LP<
CN6214
CN6205
CN6217
CN6202
CN6218
CN6204
CN6206
CN6211
CN6200
CN6207
CN6215
CN6012
CN6216
CN6000
CN6001
CN6011
AC-DET
NC
GND
POWER ON
PFC DET
RLY ON
18V
UNREG15V
AU.GND
STBY3.3V
UNREG10.5V
UNREG33V
REG18V
D6201
D6207
D6200
D6208
D6202
D6203
D6204
D6205
D6506
D6000
A6001
A6008
A6002
A6004
A6005
A6009
A6013
A6014
A6007
A6012
IC6200
IC6402
IC6401
IC6100
IC6301
IC6302
PH6100
PH6400
PH6401
PH6402
PH6301
PH6000
Q6101
Q6100
Q6504
Q6500
T6102
T6103
T6301
L6502
L6500
L6201
L6203
L6204
L6207
L6208
L6300
L6000
L6001
L6010
L6011
PS6201 4A
PS6202 4A
RY6003
VD6000
VD6001
FH6000
FH6001
FH6002
AC IN(N)
AC IN(L)
F6000
T6.3AH 250V

~ G2A Board Semicondu
Location Table Side B

DIODE		
		D6507
D6000	K - 8	D6508
D6002	G - 10	D6509
D6003	G - 9	D6510
D6102	G - 5	D6511
D6103	F - 5	D6512
D6104	G - 5	D6551
D6105	F - 5	D6552
D6106	F - 5	
D6107	G - 5	IC6100
D6108	G - 6	IC6200
D6200	E - 2	IC6301
D6201	B - 2	IC6302
D6202	C - 4	IC6401
D6203	C - 8	IC6402
D6204	B - 7	IC6502
D6205	B - 8	TRAN
D6207	C - 2	Q6051
D6208	B - 4	Q6100
D6302	E - 8	Q6101
D6303	E - 8	Q6400
D6304	F - 9	Q6401
D6305	E - 9	Q6402
D6306	F - 10	Q6403
D6401	I - 3	Q6404
D6402	F - 10	Q6405
D6407	D - 10	Q6406
D6408	D - 10	Q6454
D6452	H - 3	Q6455
D6456	I - 2	Q6500
D6504	K - 3	Q6501
D6505	K - 3	Q6502
D6506	J - 4	Q6504

~ H1E Board Schematic Diagram [Switch Panel] ~

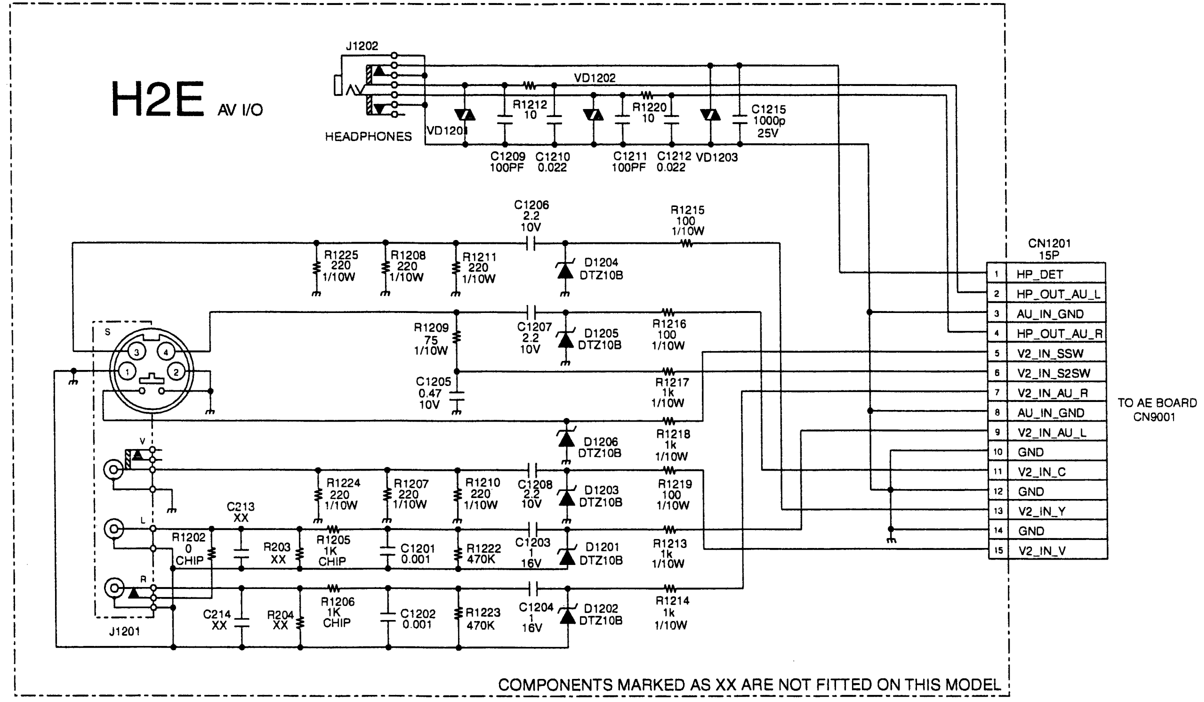
H1E.-WAX2F(KDL-40/46W2000)


H1E SWITCH PANEL
POWER
S1106
D101 XX
C102 XX
CN1101 3P WHT
1 GND
2 POWER INT
3 KEY1
TO BE BOARD CN1007
R1101 1.1k 1/10W
R1102 560 1/10W
R1103 330 1/10W
R1104 220 1/10W
R1105 150 1/10W
C103 XX
C101 XX
D102 XX
S1101
S1102
S1103
S1104
S1105
S1107
HOME MENU WEGAGATE
INPUT SEL
VOL+
VOL-
CH+
CH-

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ H2E Board Schematic Diagram [AV I/O] ~

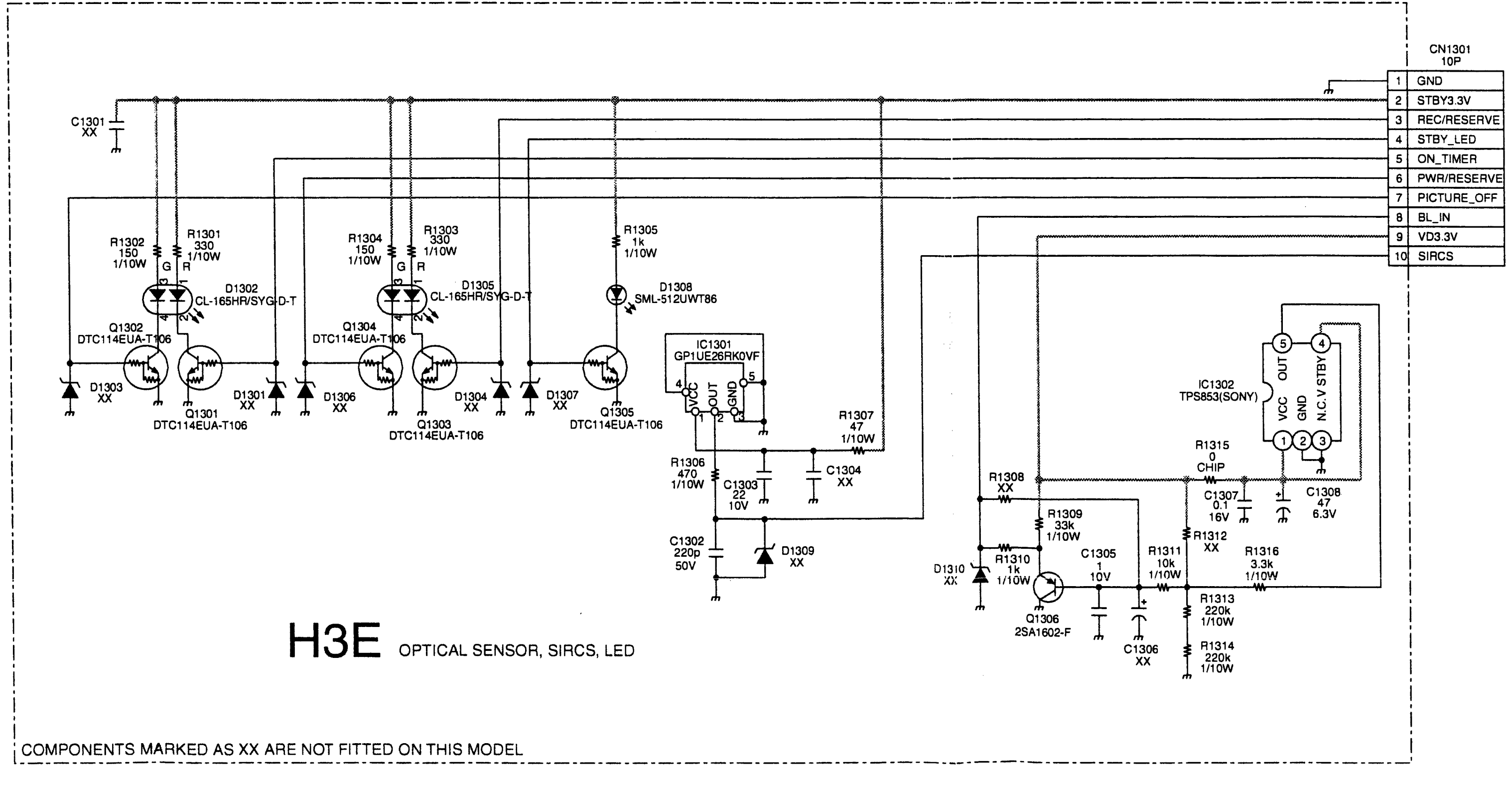
H2E.-WAX2F (KDL-40W2000 Only)


H2E AV I/O
J1202
HEADPHONES
VD1201
VD1202
R1212 10
R1220 10
C1215 1000p 25V
C1209 100PF
C1210 0.022
C1211 100PF
C1212 0.022
VD1203
C1206 2.2 10V
R1215 100 1/10W
R1225 220 1/10W
R1208 220 1/10W
R1211 220 1/10W
D1204 DTZ10B
R1209 75 1/10W
C1207 2.2 10V
D1205 DTZ10B
R1216 100 1/10W
C1205 0.47 10V
R1217 1k 1/10W
D1206 DTZ10B
R1218 1k 1/10W
S
V
L
R
R1224 220 1/10W
R1207 220 1/10W
R1210 220 1/10W
C1208 2.2 10V
D1203 DTZ10B
R1219 100 1/10W
C213 XX
R1202 0 CHIP
R203 XX
R1205 1K CHIP
C1201 0.001
R1222 470K
C1203 1 16V
D1201 DTZ10B
R1213 1k 1/10W
C214 XX
R204 XX
R1206 1K CHIP
C1202 0.001
R1223 470K
C1204 1 16V
D1202 DTZ10B
R1214 1k 1/10W
J1201
CN1201 15P
1 HP_DET
2 HP_OUT_AU_L
3 AU_IN_GND
4 HP_OUT_AU_R
5 V2_IN_SSW
6 V2_IN_S2SW
7 V2_IN_AU_R
8 AU_IN_GND
9 V2_IN_AU_L
10 GND
11 V2_IN_C
12 GND
13 V2_IN_Y
14 GND
15 V2_IN_V
TO AE BOARD CN9001

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

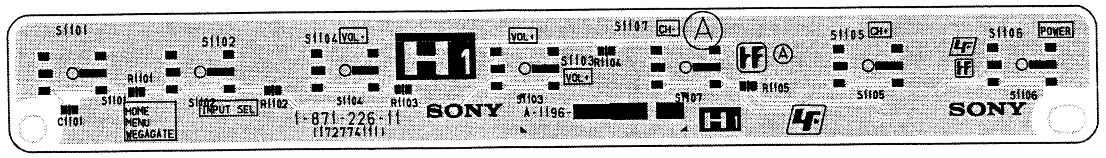
~ H3E Board Schematic Diagram [Optical Sensor, Sircs, Led] ~

H3E.-WAX2F(KDL-40/46W2000)

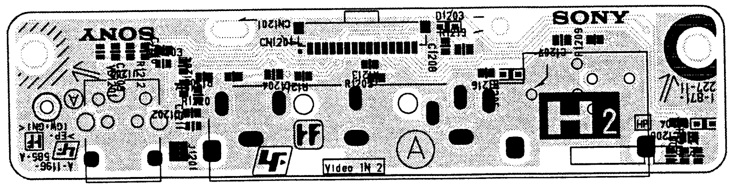

C1301 XX
R1302 150 1/10W
R1301 330 1/10W
G R
D1302 CL-165HR/SYG-D-T
Q1302 DTC114EUA-T106
D1303 XX
Q1301 DTC114EUA-T106
D1301 XX
R1304 150 1/10W
R1303 330 1/10W
D1305 CL-165HR/SYG-D-T
Q1304 DTC114EUA-T106
D1306 XX
Q1303 DTC114EUA-T106
D1304 XX
R1305 1k 1/10W
D1308 SML-512UWT86
D1307 XX
Q1305 DTC114EUA-T106
IC1301 GP1UE26RK0VF
VCC OUT GND
R1307 47 1/10W
R1306 470 1/10W
C1303 22 10V
C1304 XX
C1302 220p 50V
D1309 XX
CN1301 10P
1 GND
2 STBY3.3V
3 REC/RESERVE
4 STBY_LED
5 ON_TIMER
6 PWR/RESERVE
7 PICTURE_OFF
8 BL_IN
9 VD3.3V
10 SIRCS
IC1302 TPS853(SONY)
OUT N.C.V STBY VCC GND
R1315 0 CHIP
R1308 XX
R1309 33k 1/10W
C1307 0.1 16V
C1308 47 6.3V
R1312 XX
D1310 XX
R1310 1k 1/10W
C1305 1 10V
R1311 10k 1/10W
R1316 3.3k 1/10W
Q1306 2SA1602-F
C1306 XX
R1313 220k 1/10W
R1314 220k 1/10W
H3E OPTICAL SENSOR, SIRCS, LED

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

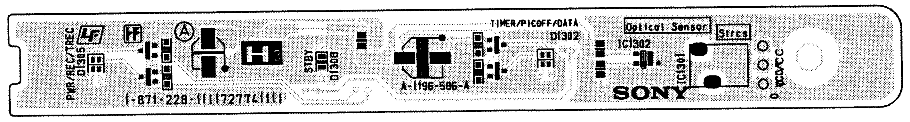
~ H1E Printed Wiring Board Conductor Side A ~


S1101
S1102
S1104
VOL-
S1107
CH-
S1105
CH+
S1106
POWER
R1101
C1101
HOME
MENU
MEGACATE
INPUT SEL
R1102
R1103
R1104
VOL+
R1105
1-871-226-11
SONY
A-1196-

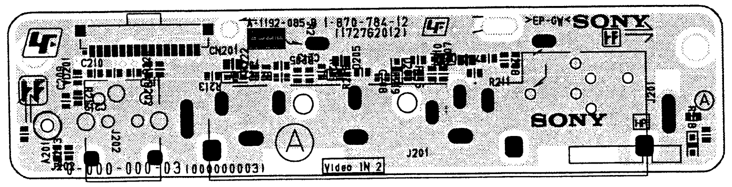
~ H2E Printed Wiring Board Conductor Side A ~


SONY
CN1201
CN1204
D1203
J1201
Video IN 2
H2

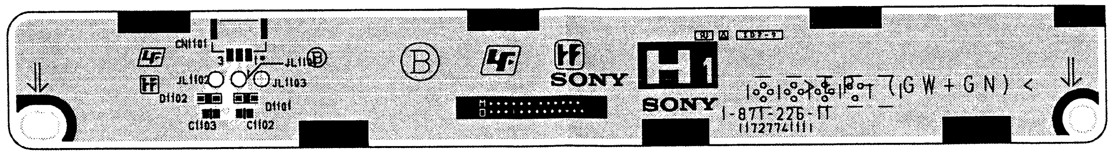
~ H3E Printed Wiring Board Conductor Side A ~


PWR/REC/TREC
D1305
H
STBY
D1300
TIMER/PICOFF/DATA
D1302
Optical Sensor
Sircs
IC1302
IC1301
SONY
1-871-228-11
A-1196-586-A
VCC

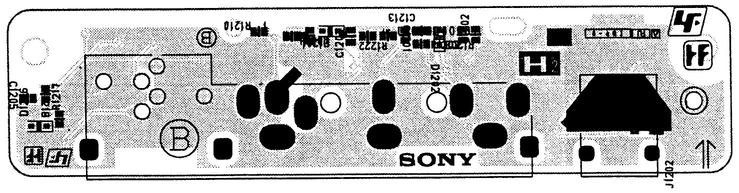
~ H46 Printed Wiring Board Conductor Side A ~


1-870-784-12
SONY
>EP-GW<
CN201
J202
J201
R213
Video IN 2
A

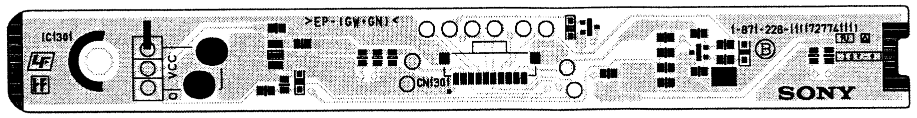
~ H1E Printed Wiring Board Conductor Side B ~


CN1101
JL1101
JL1102
JL1103
D1102
D1101
C1103
C1102
B
SONY
H1
1-871-226-11
(GW+GN) <

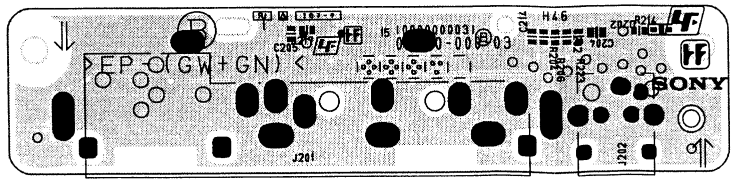
~ H2E Printed Wiring Board Conductor Side B ~


C1213
R1218
R1222
D1210
B
SONY
J1202

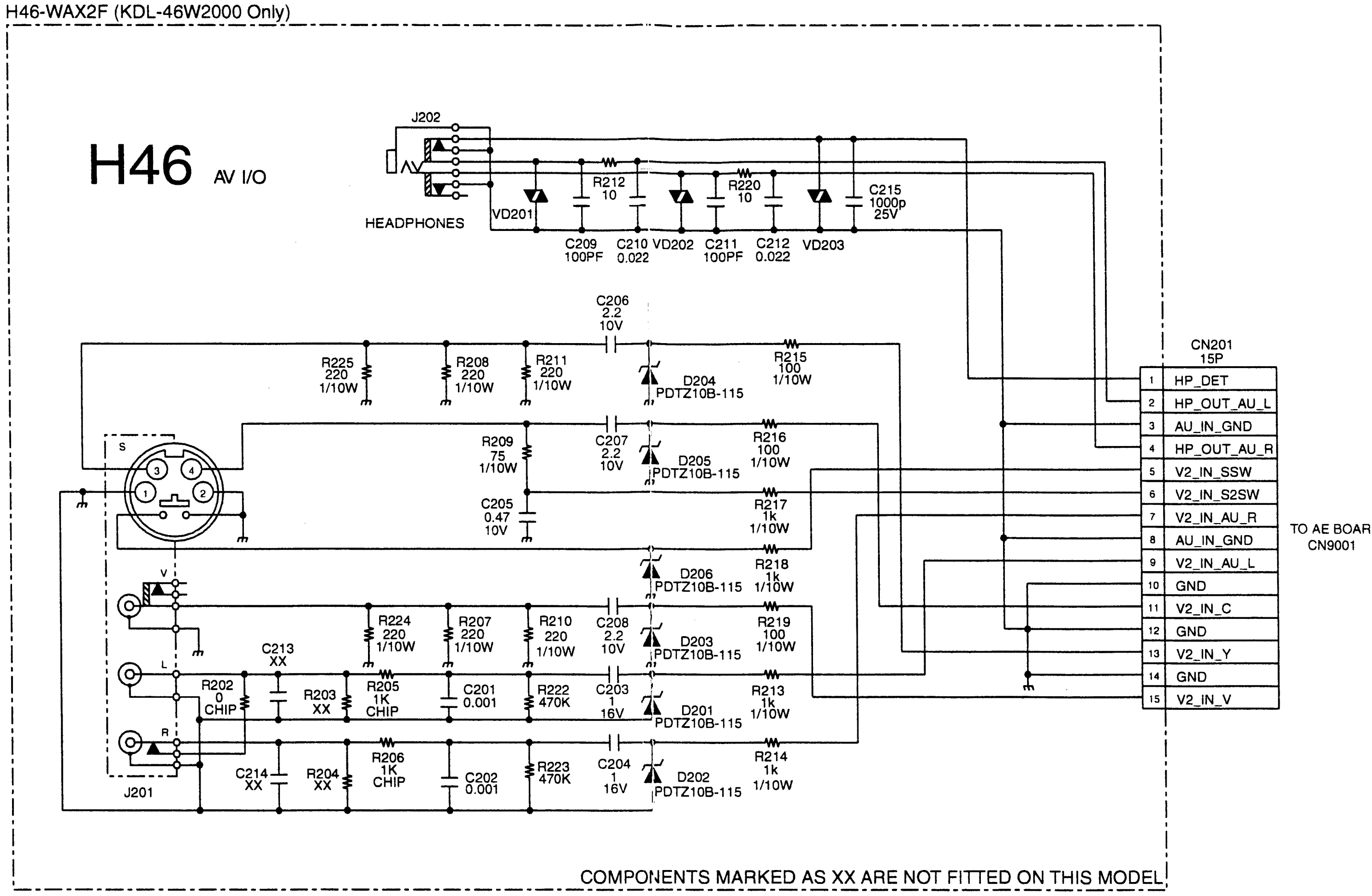
~ H3E Printed Wiring Board Conductor Side B ~

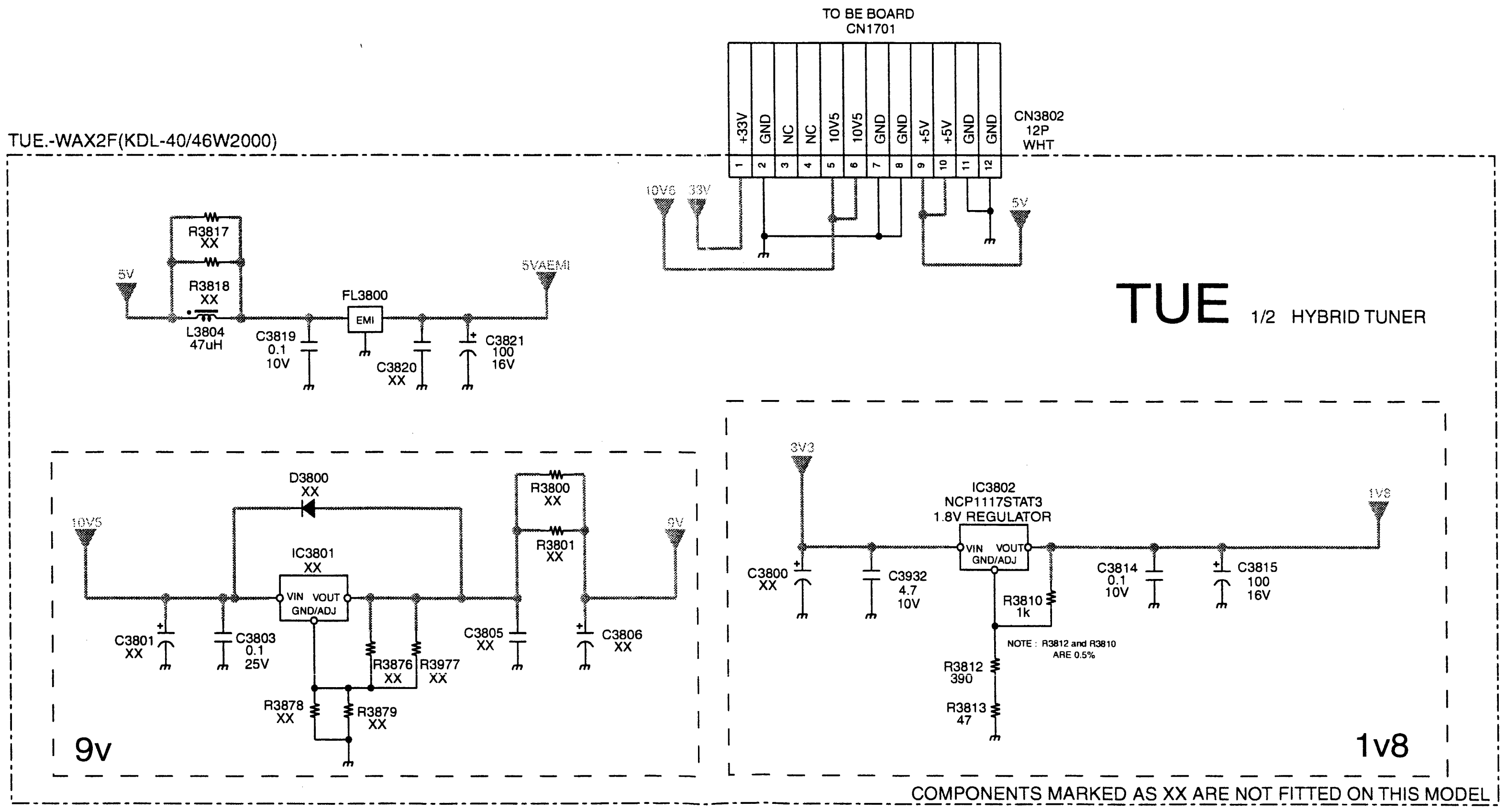

IC1301
>EP-(GW+GN)<
CN1301
VCC
1-871-228-11
B
SONY

~ H46 Printed Wiring Board Conductor Side B ~

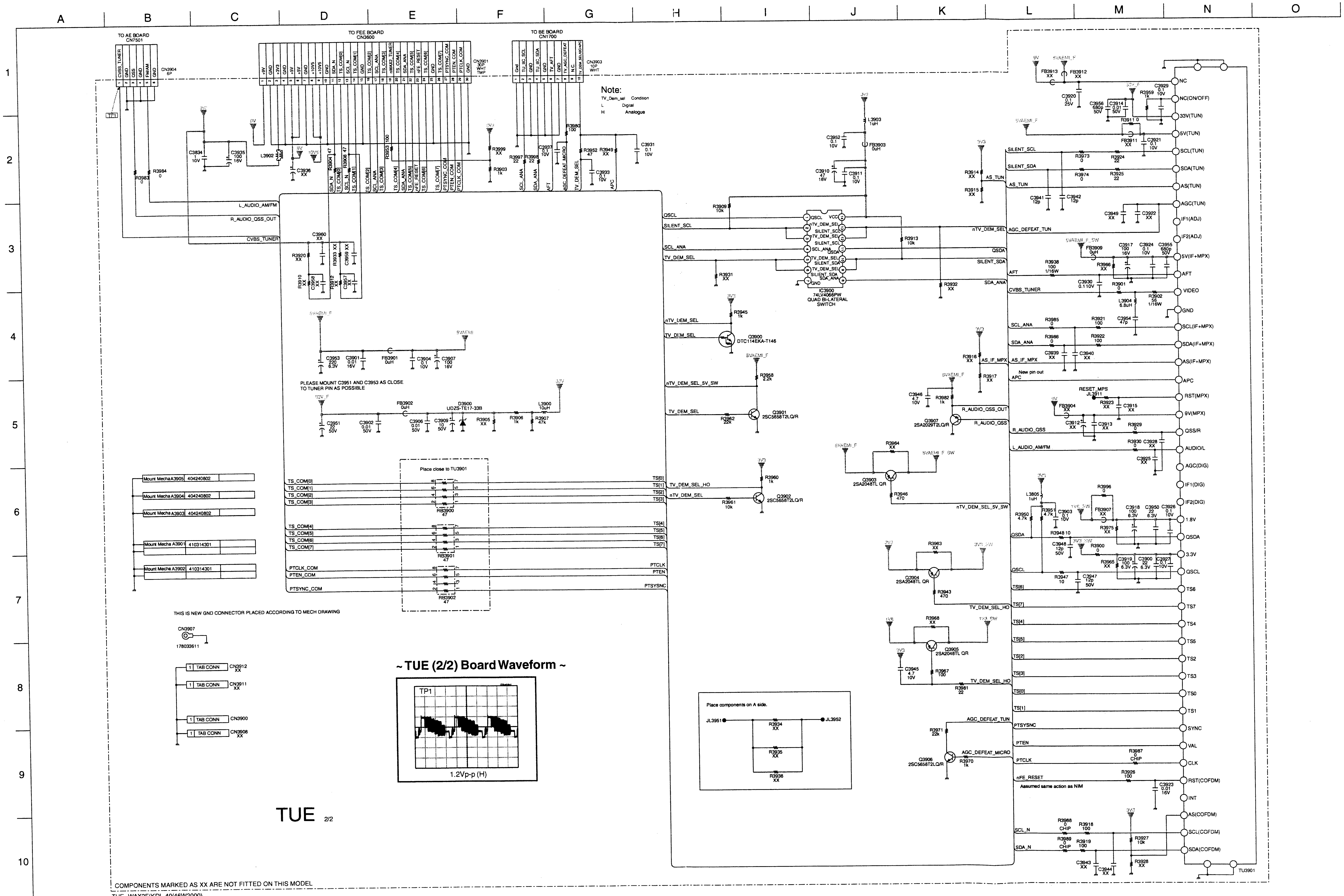

H46
>EP-(GW+GN)<
C205
SONY
J201
J202
B

~ H46 Board Schematic Diagram [AV I/O] ~


H46-WAX2F (KDL-46W2000 Only)
H46 AV I/O
J202
HEADPHONES
VD201
R212 10
R220 10
C215 1000p 25V
C209 100PF
C210 0.022
VD202
C211 100PF
C212 0.022
VD203
C206 2.2 10V
R225 220 1/10W
R208 220 1/10W
R211 220 1/10W
D204 PDTZ10B-115
R215 100 1/10W
S
R209 75 1/10W
C207 2.2 10V
D205 PDTZ10B-115
R216 100 1/10W
C205 0.47 10V
R217 1k 1/10W
D206 PDTZ10B-115
R218 1k 1/10W
V
L
R
R224 220 1/10W
R207 220 1/10W
R210 220 1/10W
C208 2.2 10V
D203 PDTZ10B-115
R219 100 1/10W
C213 XX
R202 0 CHIP
R203 XX
R205 1K CHIP
C201 0.001
R222 470K
C203 1 16V
D201 PDTZ10B-115
R213 1k 1/10W
J201
C214 XX
R204 XX
R206 1K CHIP
C202 0.001
R223 470K
C204 1 16V
D202 PDTZ10B-115
R214 1k 1/10W
CN201 15P
1 HP_DET
2 HP_OUT_AU_L
3 AU_IN_GND
4 HP_OUT_AU_R
5 V2_IN_SSW
6 V2_IN_S2SW
7 V2_IN_AU_R
8 AU_IN_GND
9 V2_IN_AU_L
10 GND
11 V2_IN_C
12 GND
13 V2_IN_Y
14 GND
15 V2_IN_V
TO AE BOARD CN9001
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL


TO BE BOARD CN1701
+33V
GND
NC
NC
10V5
GND
GND
+5V
+5V
GND
GND
1 2 3 4 5 6 7 8 9 10 11 12
CN3802 12P WHT
TUE.-WAX2F(KDL-40/46W2000)
10V5
33V
5V
TUE 1/2 HYBRID TUNER
R3817 XX
R3818 XX
5V
L3804 47uH
C3819 0.1 10V
FL3800
EMI
C3820 XX
C3821 100 16V
5VAEMI
D3800 XX
R3800 XX
R3801 XX
10V5
9V
IC3801 XX
VIN VOUT
GND/ADJ
C3801 XX
C3803 0.1 25V
R3876 XX
R3977 XX
C3805 XX
C3806 XX
R3878 XX
R3879 XX
9v
3V3
IC3802 NCP1117STAT3 1.8V REGULATOR
1V8
VIN VOUT
GND/ADJ
C3800 XX
C3932 4.7 10V
R3810 1k
C3814 0.1 10V
C3815 100 16V
NOTE : R3812 and R3810 ARE 0.5%
R3812 390
R3813 47
1v8
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ TUE Board Schematic Diagram [Hybrid Tuner] Page 1/2 ~


TO AE BOARD CN7501
CN3904 6P
TO FEE BOARD CN3600
CN3901 30P WHT TMP
TO BE BOARD CN1700
CN3903 10P WHT
Note:
TV_Dem_sel Condition
L Digital
H Analogue
L_AUDIO_AM/FM
R_AUDIO_QSS_OUT
CVBS_TUNER
IC3900 74LV4066PW QUAD BI-LATERAL SWITCH
Q3900 DTC114EKA-T146
Q3901 2SC5658T2LQ/R
Q3902 2SC5658T2LQ/R
Q3903 2SA2048TL QR
Q3904 2SA2048TL QR
Q3905 2SA2048TL QR
Q3906 2SC5658T2LQ/R
Q3907 2SA2029T2LQ/R
D3900 UDZS-TE17-33B
PLEASE MOUNT C3951 AND C3953 AS CLOSE TO TUNER PIN AS POSSIBLE
Place close to TU3901
RB3900 47
RB3901 47
RB3902 47
Mount Mecha A3905 404240802
Mount Mecha A3904 404240802
Mount Mecha A3903 404240802
Mount Mecha A3901 410314301
Mount Mecha A3902 410314301
THIS IS NEW GND CONNECTOR PLACED ACCORDING TO MECH DRAWING
CN3907 178033611
TAB CONN CN3912 XX
TAB CONN CN3911 XX
TAB CONN CN3900
TAB CONN CN3908 XX
TP1
Place components on A side.
JL3951
JL3952
New pin out
Assumed same action as NIM
NC
NC(ON/OFF)
33V(TUN)
5V(TUN)
SCL(TUN)
SDA(TUN)
AS(TUN)
AGC(TUN)
IF1(ADJ)
IF2(ADJ)
5V(IF+MPX)
AFT
VIDEO
GND
SCL(IF+MPX)
SDA(IF+MPX)
AS(IF+MPX)
APC
RST(MPX)
9V(MPX)
QSS/R
AUDIO/L
AGC(DIG)
IF1(DIG)
IF2(DIG)
1.8V
QSDA
3.3V
QSCL
TS6
TS7
TS4
TS5
TS2
TS3
TS0
TS1
SYNC
VAL
CLK
RST(COFDM)
INT
AS(COFDM)
SCL(COFDM)
SDA(COFDM)
TU3901
TUE 2/2

~ TUE (2/2) Board Waveform ~

1.2Vp-p (H)

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

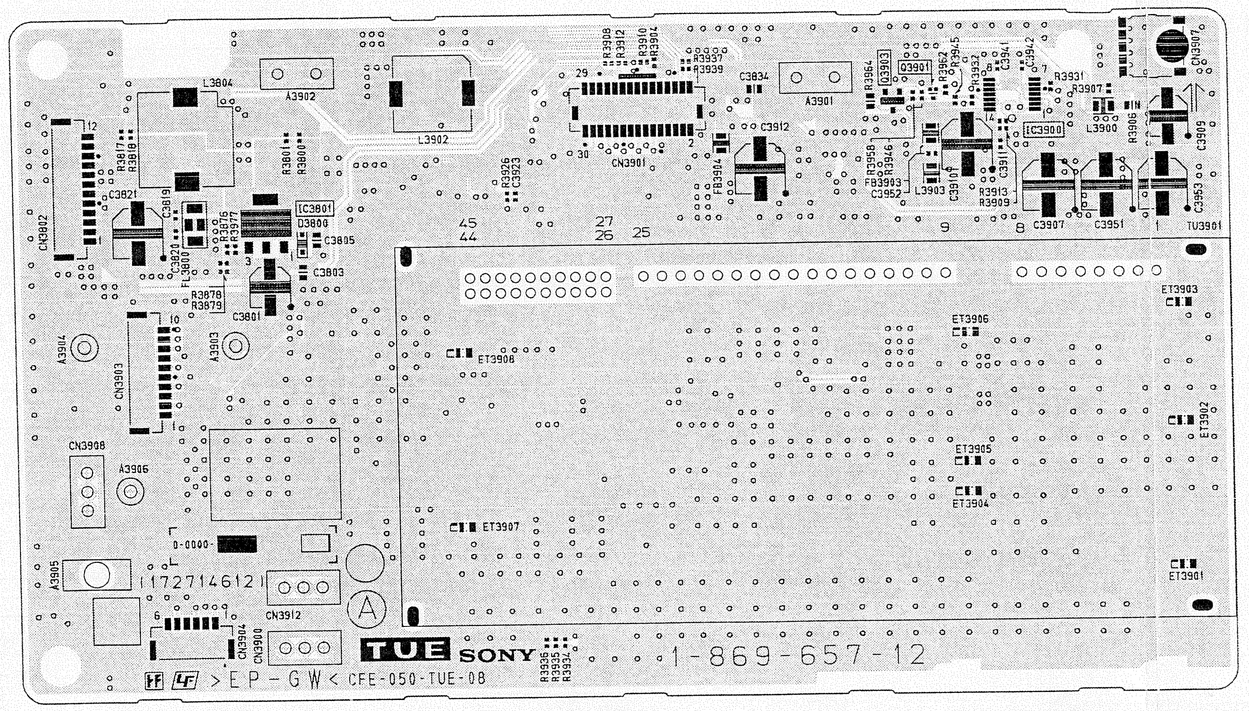
TUE -WAX2F(KDL-40/46W2000)

~ TUE Board Schematic Diagram [Hybrid Tuner] Page 2/2 ~

A B C D E F G H I J K L M N O

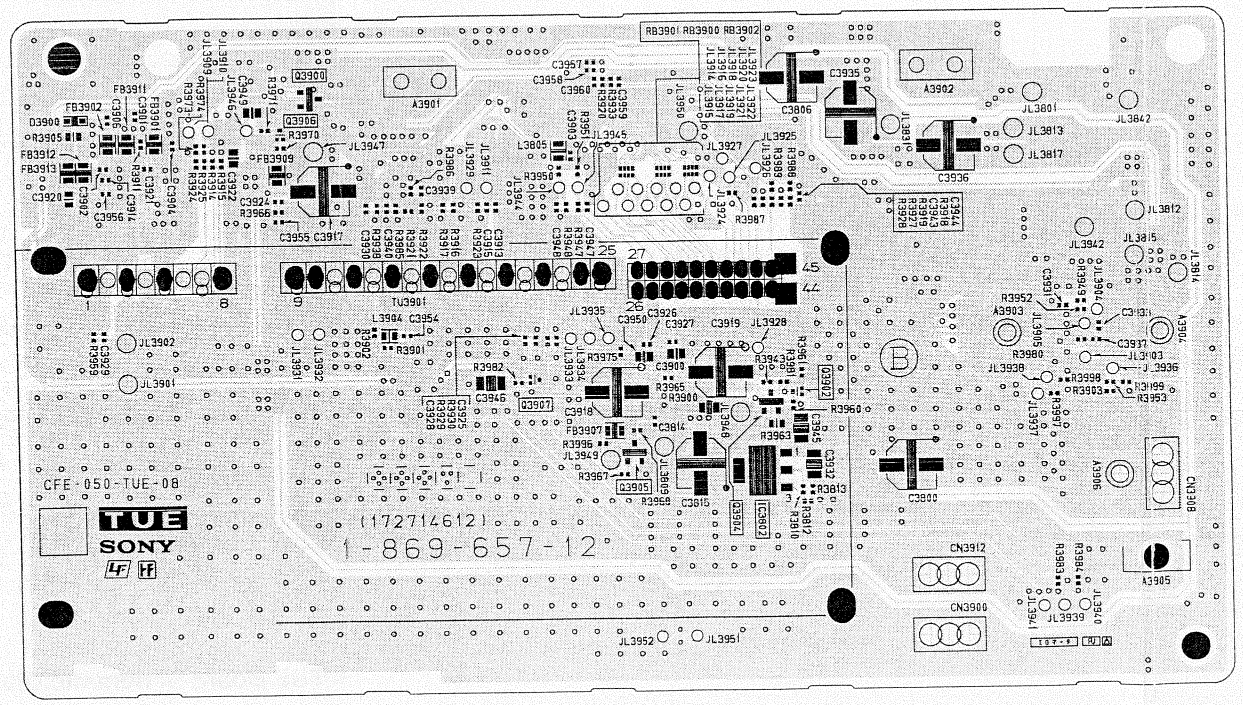
1 2 3 4 5 6 7 8 9 10 11

~ TUE Printed Wiring Board Conductor Side A ~



TUE SONY
1-869-657-12
(1727146121)
>EP-GW< CFE-050-TUE-08
IC3900
IC3801
TU3901
CN3901
A3901
A3902

~ TUE Printed Wiring Board Conductor Side B ~



TUE
SONY
CFE-050-TUE-08
(1727146121)
1-869-657-12
TU3901
IC3802
CN3912
CN3900
A3901
A3902
A3905

~ TUE Board Semiconductor Location Table Side A ~

IC		TRANSISTOR	
IC3900	G - 3	Q3901	G - 2
		Q3903	F - 2

~ TUE Board Semiconductor Voltage Table Side A ~

Ref	(e)(s)	(b)(g)	(c)(d)
Q3900	0	3.2	0
Q3901	0	0.7	0
Q3903	4.9	4.2	4.9

~ TUE Board IC Voltage Table Side A ~

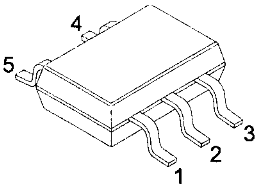
Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
IC3900	1-4	3.3	IC3900	8-11	3.3
	5-6	3.2		12-13	0
	7	0		14	3.3

~ TUE Board Semiconductor Location Table Side B ~

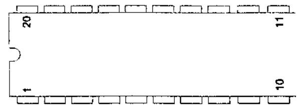
DIODE		TRANSISTOR		Q3905	E - 10
D3900	B - 8	Q3900	C - 8	Q3906	C - 8
IC		Q3902	F - 9	Q3907	D - 9
IC3802	F - 10	Q3904	F - 10		

4-4. SEMICONDUCTORS

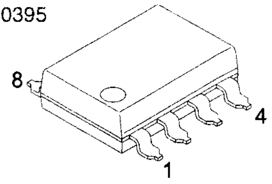
74LVC14APW
74LVC4066PW
74LVC541APW



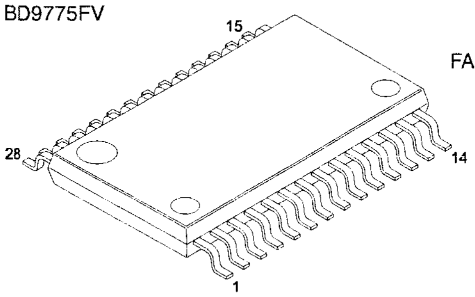
74LVT245PW-T



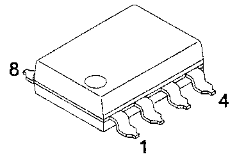
LM3525MX-H/J5000395



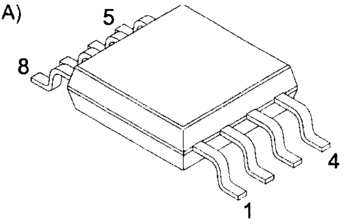
BD9775FV



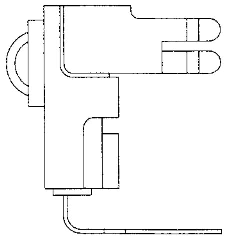
FA5501AN-D1-TE1



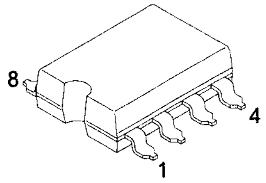
LM393DT (A)



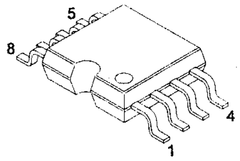
GP1UE26RK0VF



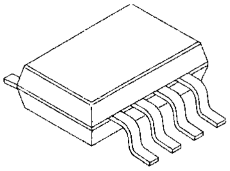
M24256-BWMN6T



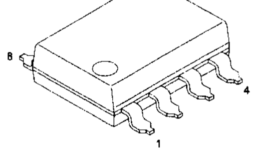
BR24L02F-WE2



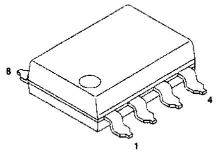
ICS7150MLFT



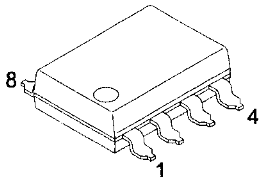
M24C02-WMN6T(B)



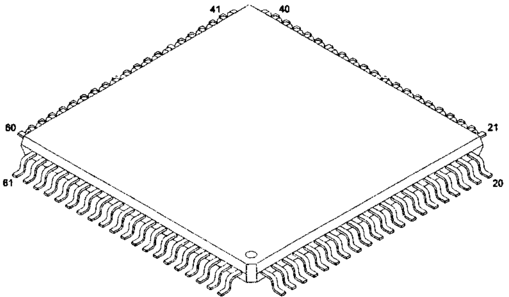
CS4335-KSZR



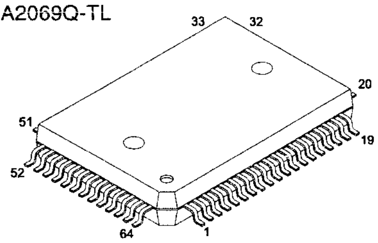
TMP75AIDR



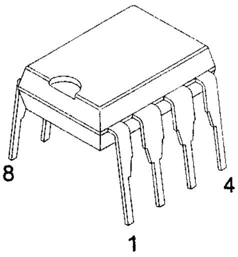
MSP4410K-QA-D6-501


41
40
60
21
61
20
80
1

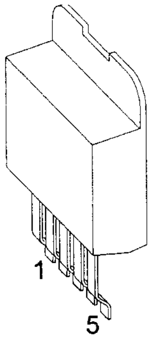
CXA2069Q-TL


33
32
20
51
19
52
64
1

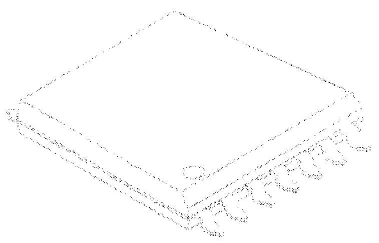
MIP2H2



PQ070XNA1ZPH



SN74CBTLV3245APWR



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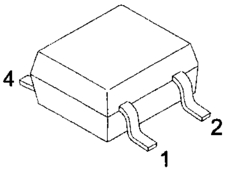
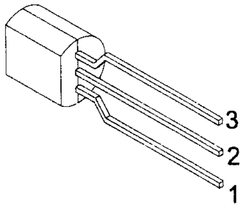
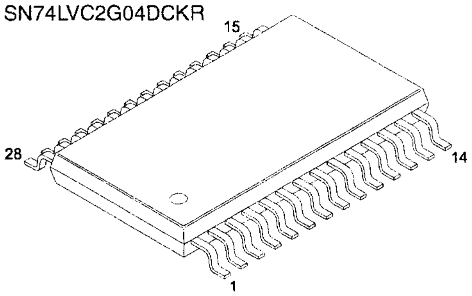


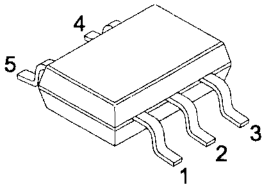
MM1431ATT(CN)
MM1530ATT



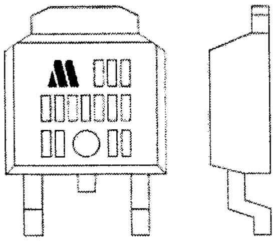
SN74LV132APWR
SN74LVC2G04DCKR



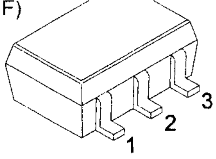
S-1132B18-M5T1G



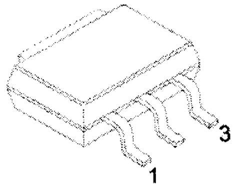
MM1662FTRE



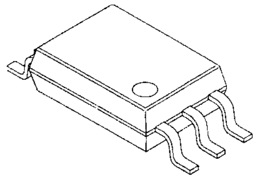
TC7SH00FU (T5RSOYJF)
TC7SH86FU (T5RSOYJF)



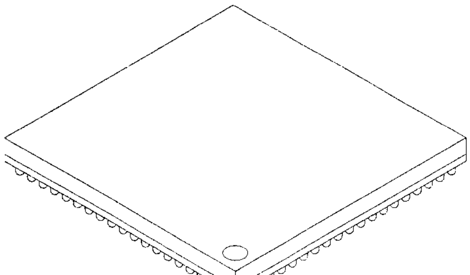
NCP1117STAT3



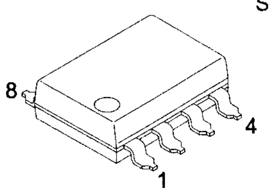
NJM3414AV(TE2)



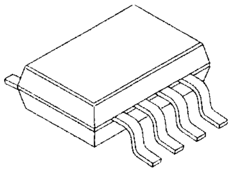
UDP61123F1-100-KA3-A



NJM4558V-TE2



S-35390A-J8T1G



SECTION 5
EXPLODED VIEWS

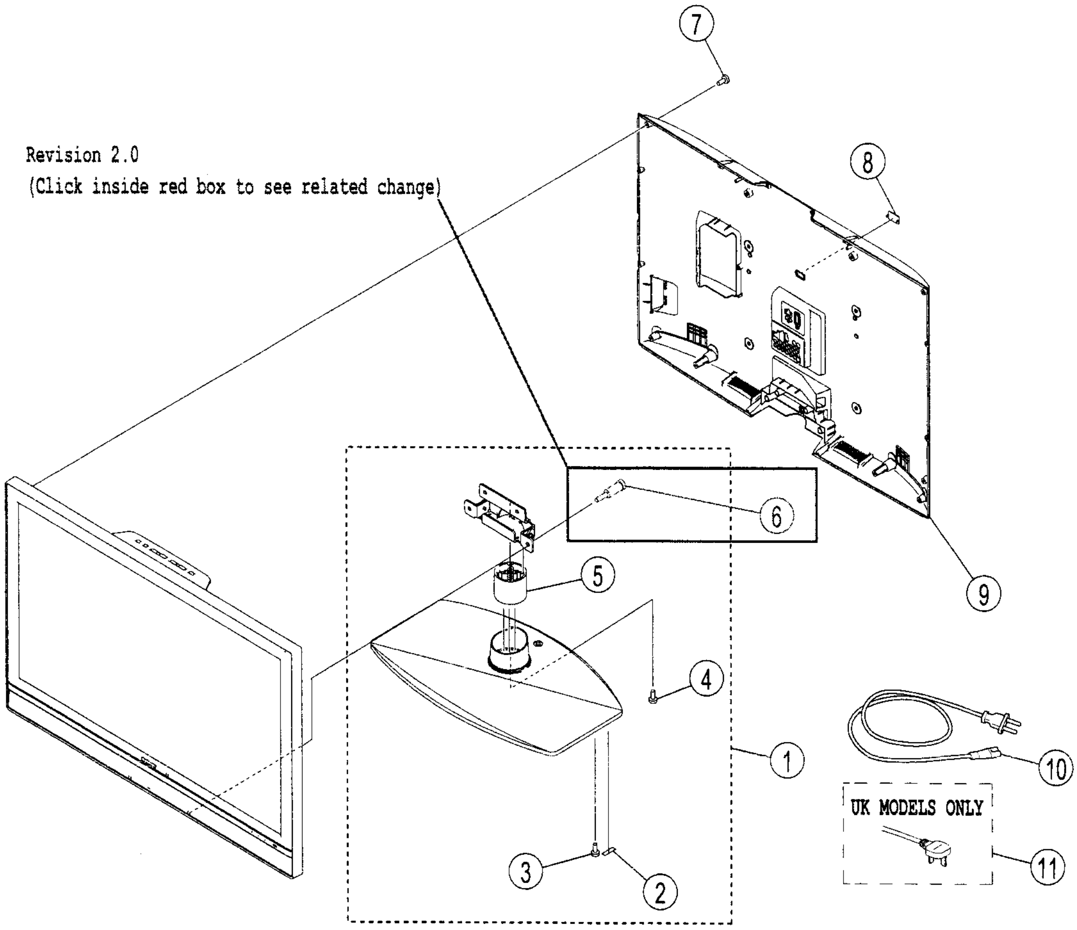
Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

5-1. REAR COVER AND STAND ASSEMBLY



Revision 2.0
(Click inside red box to see related change)

REF.NO.	PART.NO	DESCRIPTION	REMARK
1	X-2149-932-1	STAND ASSY (ML) (KDL-40W2000)	2-5
	X-2149-690-1	STAND ASSY (L) (KDL-46W2000)	
2	2-675-191-02	FOOT	
3	2-580-647-01	SCREW, +KTP2 4X12	
4	2-689-628-01	SCREW, (B) 5X30	
5	*2-682-046-01	NECK (L)	
6	X-2149-374-1	JOINT, STAND ASSY	

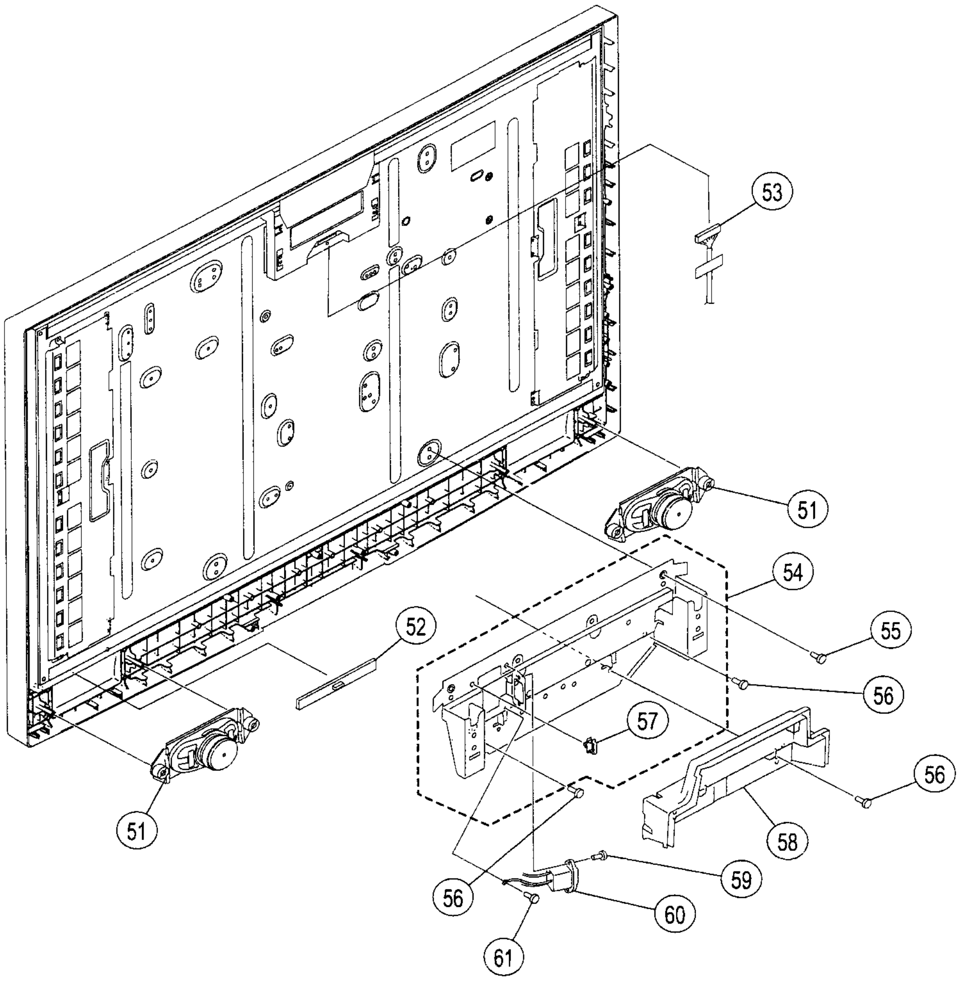
Revision 2.0
(Click inside red box to see related change)

REF.NO.	PART.NO	DESCRIPTION	REMARK
7	2-580-640-01	SCREW, +BVTP2 4X16	
8	2-664-636-11	COVER, ECS	
9	X-2148-134-1	COVER, REAR ASSY (40) (KDL-40W2000)	
	X-2148-135-2	COVER, REAR ASSY (46) (KDL-46W2000)	
10 ⚠	1-830-611-11	POWER-SUPPLY CORD (AEP)	
11 ⚠	1-830-609-11	AC POWER-SUPPLY CORD SET (UK)	

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

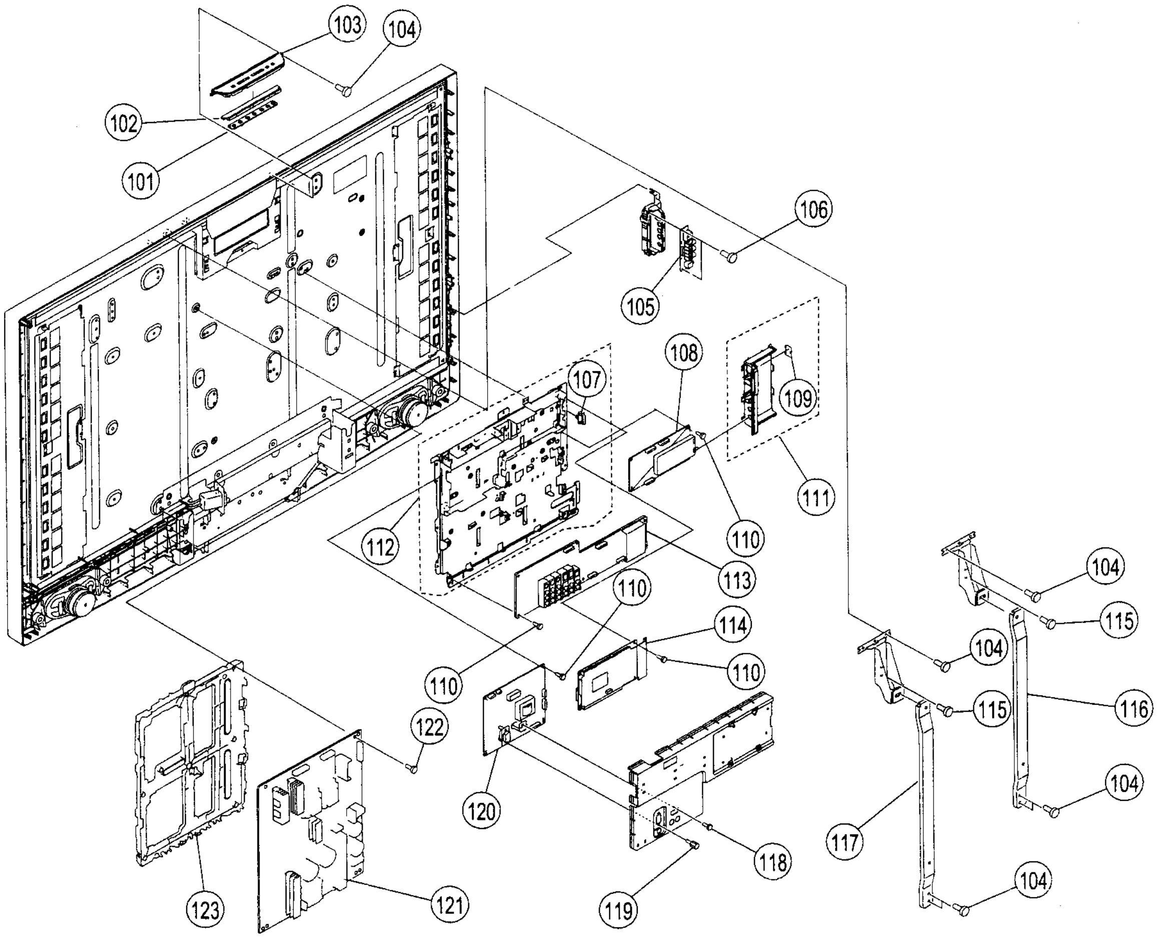
Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

5-2. SPEAKERS.



REF.NO.	PART.NO	DESCRIPTION	REMARK
51	1-826-532-11	LOUDSPEAKER (5.5X15CM) (KDL-40W2000)	
	1-826-435-11	LOUDSPEAKER (13X7CM) (KDL-46W2000)	
52	*A-1196-586-A	H3E BOARD COMPLETE	
53	1-833-275-12	LEAD WIRE WITH CONNECTOR(LVDS) (KDL-40W2000)	
	1-833-276-12	LEAD WIRE WITH CONNECTOR(LVDS) (KDL-46W2000)	
54	X-2109-168-4	FRAME, BOTTOM (L) ASSY	57
55	2-580-606-01	SCREW, +PSW M5X8	
56	2-580-640-01	SCREW, +BVTP2 4X16	
57	2-650-770-21	SLIDE, CLAMP	
58	2-687-624-11	COVER, UNDER	
59	2-596-649-01	+KTT 3X10 (S TYPE)	
60 ⚠	1-819-729-14	INLET, AC (WITH NOISE FILTER)	
61	2-580-600-01	SCREW, +PSW M4X8	

5-3. CHASSIS


103
104
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114
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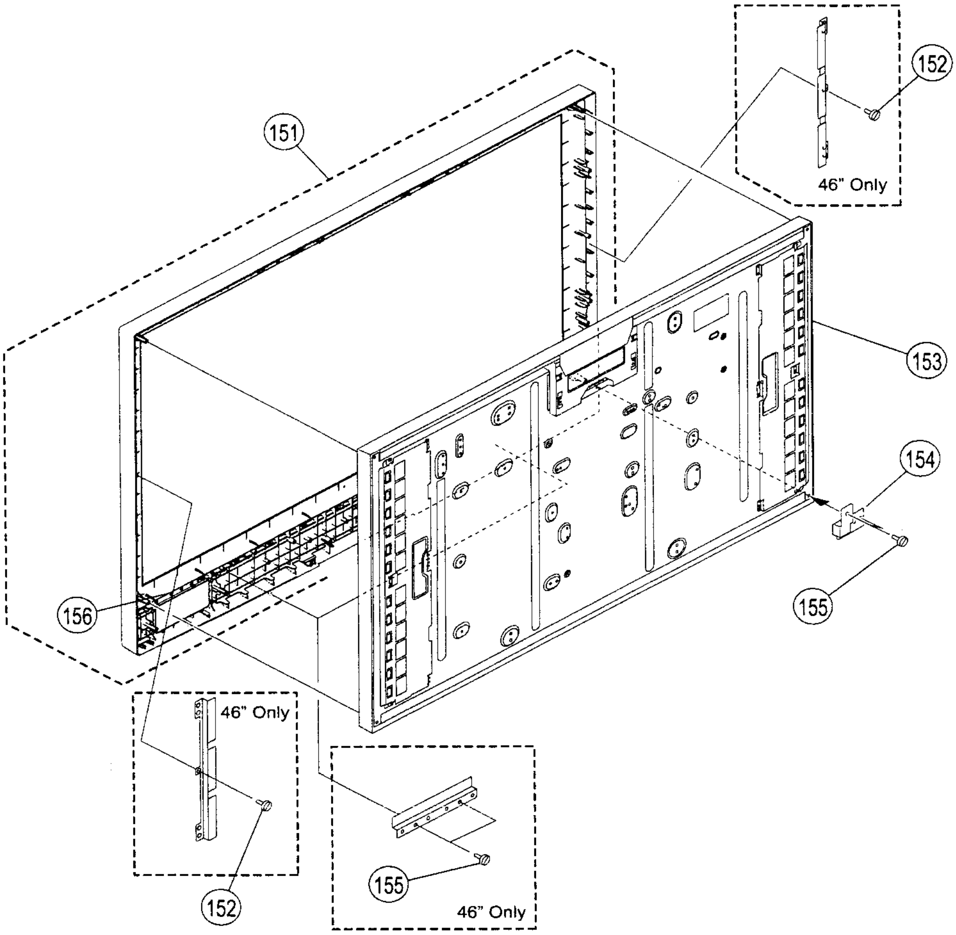
110
116
122
115
120
104
118
117
123
121
119
104

REF.NO.	PART.NO	DESCRIPTION	REMARK
101	*A-1196-584-A	H1E BOARD COMPLETE	
102	2-663-977-01	BUTTON, MULTI	
103	2-663-978-22	COVER, BUTTON	
104	2-580-640-01	SCREW, +BVTP2 4X16	
105	*A-1196-585-A	H2E BOARD COMPLETE (KDL-40W2000)	
	*A-1192-085-B	H46 BOARD COMPLETE (KDL-46W2000)	
106	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
107	2-650-770-21	SLIDE, CLAMP	
108	*A-1173-184-C	TUE BOARD COMPLETE	
109	2-689-737-01	COVER, MS	
110	2-580-629-01	SCREW, +BVST 3X8	
111	X-2149-055-1	SIDE, TERMINAL (C) ASSY	109
112	X-2149-118-4	BRACKET, CHAS ASSY (B)	107
113	*A-1184-346-A	AE BOARD COMPLETE	
114	*A-1173-179-K	FEE BOARD COMPLETE	
115	2-580-606-01	SCREW, +PSW M5X8	
116	X-2109-058-3	VESA BRACKET (40) L ASSY (KDL-40W2000)	
	X-2109-250-3	ARM, VESA (46) L ASSY (KDL-46W2000)	
117	X-2109-059-3	VESA BRACKET (40) R ASSY (KDL-40W2000)	
	X-2109-251-3	ARM, VESA (46) R ASSY (KDL-46W2000)	
118	2-580-590-01	SCREW, +PSW M3X5	
119	4-635-966-01	SCREW (HEX)	
120	*A-1196-582-D	BE BOARD COMPLETE	
121	*A-1184-357-B	G2A BOARD COMPLETE	
122	2-674-965-31	SCREW, +PSW 3SG	
123	2-664-617-11	BRACKET, G2	

5-4. LCD PANEL.


152
46" Only
151
153
154
155
156
46" Only
152
155
46" Only

REF.NO.	PART.NO	DESCRIPTION	REMARK
151	X-2148-140-4	BEZEL ASSY (40) (KDL-40W2000)	156
	X-2148-141-4	BEZEL ASSY (46) (KDL-46W2000)	156
152	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
153	1-802-184-11	LCD PANEL (40INCH FHD TFT) (KDL-40W2000)	
	1-802-183-11	LCD PANEL (46INCH FHD TFT) (KDL-46W2000)	
154	*2-682-132-01	BRACKET, PANEL CORNER (KDL-46W2000)	
155	2-580-640-01	SCREW, +BVTP2 4X16	
156	*2-664-630-01	GUIDE, LIGHT SENSOR	

SECTION 6
ELECTRICAL PARTS LIST

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Note : Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

*A-1173-179-K FEE Board, Complete

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK	
C3100	1-100-911-11	CERAMIC CHIP 4.7UF	10%	25V
C3101	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3102	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3103	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3104	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3105	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3106	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3107	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3108	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3109	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3110	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3111	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3112	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3113	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3114	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3116	1-124-779-00	ELECT CHIP 10UF	20.00%	16V
C3120	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3121	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3122	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3123	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3124	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3125	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3126	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3130	1-164-850-11	CERAMIC CHIP 10PF	0.50PF	50V
C3131	1-164-850-11	CERAMIC CHIP 10PF	0.50PF	50V
C3132	1-164-850-11	CERAMIC CHIP 10PF	0.50PF	50V
C3133	1-100-911-11	CERAMIC CHIP 4.7UF	10%	25V
C3134	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3135	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3136	1-100-911-11	CERAMIC CHIP 4.7UF	10%	25V
C3137	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3138	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3139	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3140	1-124-779-00	ELECT CHIP 10UF	20.00%	16V
C3141	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3142	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3143	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3144	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3145	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3200	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3201	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3202	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3203	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3205	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3206	1-165-908-11	CERAMIC CHIP 1UF	10%	10V
C3207	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3208	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3209	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3210	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3211	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3212	1-117-681-11	ELECT CHIP 100UF	20.00%	16V
C3214	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3215	1-164-937-11	CERAMIC CHIP 0.001UF	10.00%	50V
C3216	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3217	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3218	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3219	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3220	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3300	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3301	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3302	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3303	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3306	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3307	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3308	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3309	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3310	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3312	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3315	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3316	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3320	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3322	1-164-937-11	CERAMIC CHIP 0.001UF	10.00%	50V
C3323	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3324	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3326	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3328	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3402	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3403	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3404	1-164-943-81	CERAMIC CHIP 0.01UF	10.00%	16V
C3405	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3409	1-107-823-11	CERAMIC CHIP 0.47UF	10.00%	16V
C3410	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3411	1-164-850-11	CERAMIC CHIP 10PF	0.50PF	50V
C3412	1-165-908-11	CERAMIC CHIP 1UF	10%	10V
C3413	1-117-720-11	CERAMIC CHIP 4.7UF		10V
C3415	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3417	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3428	1-112-066-11	CERAMIC CHIP 10UF	10%	10V
C3432	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V
C3436	1-117-681-11	ELECT CHIP 100UF	20.00%	16V
C3439	1-165-681-21	ELECT CHIP 180UF	20%	16V
C3442	1-164-882-11	CERAMIC CHIP 220PF	5.00%	16V
C3443	1-107-819-11	CERAMIC CHIP 0.022UF	10.00%	16V
C3444	1-135-960-91	CERAMIC CHIP 10UF	10%	25V
C3445	1-165-671-21	ELECT CHIP 470UF	20%	6.3V
C3446	1-100-907-11	CERAMIC CHIP 0.1UF	10%	10V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C3502	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3503	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3505	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3506	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C3605	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3606	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3607	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3609	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3610	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3611	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
		< CONNECTOR >	
CN3300	*1-793-769-21	CONNECTOR, CARD (PCMCIA CARD)	
CN3400	1-820-255-51	FFC/FPC CONNECTOR (ZIF) 20P	
CN3401	*1-819-475-11	HEADER ASSEMBLY FOR PWB 7P	
CN3600	*1-820-235-21	HEADER ASSEMBLY 30P	
CN3601	1-820-209-11	MEMORY STICK CONNECTOR	
CN3610	1-780-336-11	EARTH TERMINAL	
CN3611	1-780-336-11	EARTH TERMINAL	
		< DIODE >	
D3400	6-501-060-01	DIODE STPS2L25U	
D3401	6-500-294-01	DIODE PTZ-TE25-3.9B	
D3503	8-719-066-11	DIODE 1PS184-115	
		< FERRITE BEAD >	
FB3103	1-400-834-11	FERRITE 0UH	
FB3104	1-400-834-11	FERRITE 0UH	
FB3105	1-400-834-11	FERRITE 0UH	
FB3106	1-400-834-11	FERRITE 0UH	
FB3107	1-400-834-11	FERRITE 0UH	
FB3108	1-400-834-11	FERRITE 0UH	
FB3109	1-400-834-11	FERRITE 0UH	
FB3110	1-400-834-11	FERRITE 0UH	
FB3111	1-400-834-11	FERRITE 0UH	
FB3113	1-400-834-11	FERRITE 0UH	
FB3114	1-469-869-21	FERRITE 0UH	
FB3115	1-400-244-11	FERRITE 0UH	
FB3116	1-400-244-11	FERRITE 0UH	
FB3117	1-469-869-21	FERRITE 0UH	
FB3118	1-469-869-21	FERRITE 0UH	
FB3119	1-400-807-21	FERRITE 0UH	
FB3120	1-400-807-21	FERRITE 0UH	
FB3121	1-400-807-21	FERRITE 0UH	
FB3122	1-400-807-21	FERRITE 0UH	
FB3123	1-400-807-21	FERRITE 0UH	
FB3125	1-469-869-21	FERRITE 0UH	
FB3126	1-400-244-11	FERRITE 0UH	
FB3127	1-400-244-11	FERRITE 0UH	
FB3200	1-400-244-11	FERRITE 0UH	

REF.NO.	PART.NO	DESCRIPTION	REMARK
FB3201	1-400-244-11	FERRITE 0UH	
FB3300	1-469-869-21	FERRITE 0UH	
FB3301	1-469-869-21	FERRITE 0UH	
FB3402	1-400-244-11	FERRITE 0UH	
FB3403	1-400-834-11	FERRITE 0UH	
FB3407	1-469-869-21	FERRITE 0UH	
FB3408	1-400-461-21	FERRITE 0UH	
FB3409	1-400-461-21	FERRITE 0UH	
FB3410	1-400-461-21	FERRITE 0UH	
FB3411	1-400-461-21	FERRITE 0UH	
FB3412	1-400-834-11	FERRITE 0UH	
FB3413	1-400-834-11	FERRITE 0UH	
FB3414	1-400-834-11	FERRITE 0UH	
FB3415	1-400-834-11	FERRITE 0UH	
FB3416	1-400-834-11	FERRITE 0UH	
FB3417	1-400-834-11	FERRITE 0UH	
FB3418	1-400-834-11	FERRITE 0UH	
FB3419	1-400-834-11	FERRITE 0UH	
FB3601	1-469-869-21	FERRITE 0UH	
FB3602	1-469-869-21	FERRITE 0UH	
FB3603	1-469-869-21	FERRITE 0UH	
FB3604	1-400-834-11	FERRITE 0UH	
FB3605	1-400-834-11	FERRITE 0UH	
FB3606	1-400-834-11	FERRITE 0UH	
FB3607	1-400-834-11	FERRITE 0UH	
FB3608	1-400-834-11	FERRITE 0UH	
FB3609	1-400-834-11	FERRITE 0UH	
FB3610	1-400-834-11	FERRITE 0UH	
FB3611	1-400-834-11	FERRITE 0UH	
FB3612	1-400-834-11	FERRITE 0UH	
FB3613	1-400-834-11	FERRITE 0UH	
FB3614	1-400-834-11	FERRITE 0UH	
FB3615	1-400-834-11	FERRITE 0UH	
FB3616	1-400-834-11	FERRITE 0UH	
FB3617	1-400-834-11	FERRITE 0UH	
FB3618	1-400-834-11	FERRITE 0UH	
FB3619	1-400-834-11	FERRITE 0UH	
FB3620	1-400-834-11	FERRITE 0UH	
		< IC >	
IC3100	6-709-214-01	IC UPD61123F1-100-KA3-A	
IC3200	6-707-809-01	IC EDD1216AATA-6B-E	
IC3201	6-708-916-01	IC ICS7150MLFT	
IC3206	6-705-336-01	IC K9F2808U0C-PCB0T	
IC3301	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC3301	8-759-644-48	IC 74LVC541APW	
IC3302	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC3302	8-759-644-48	IC 74LVC541APW	
IC3304	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC3304	8-759-644-48	IC 74LVC541APW	

REF.NO.	PART.NO	DESCRIPTION	REMARK
IC3305	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC3305	8-759-644-48	IC 74LVC541APW	
IC3306	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC3306	8-759-644-48	IC 74LVC541APW	
IC3308	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC3308	8-759-644-48	IC 74LVC541APW	
IC3311	6-707-850-01	IC TC74LCX245FT(EKJ)	
IC3311	8-759-298-91	IC 74LVT245PW-T	
IC3312	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC3316	6-708-132-01	IC 74LVC14APW	
IC3317	6-706-482-01	IC TC7SH00FU(T5RSOYJF)	
IC3402	6-705-790-01	IC LM3525MX-H/J5000395	
IC3404	6-706-106-01	IC NCP1117STAT3	
IC3405	6-708-603-01	IC PQ070XNA1ZPH	
IC3406	6-707-078-01	IC L5973ADTR	
IC3501	6-703-175-01	IC PST3629UL	
		< COIL >	
L3100	1-414-398-11	INDUCTOR	10UH
L3400	1-419-353-21	INDUCTOR	10UH
L3401	*1-424-924-21	COIL, POWER	
		< TRANSISTOR >	
Q3409	8-729-010-05	TRANSISTOR MSB709-RT1	
Q3501	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q3502	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >	
R3100	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3101	1-218-941-81	RES-CHIP	100 5% 1/16W
R3102	1-218-941-81	RES-CHIP	100 5% 1/16W
R3103	1-218-941-81	RES-CHIP	100 5% 1/16W
R3104	1-218-941-81	RES-CHIP	100 5% 1/16W
R3105	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R3106	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R3109	1-218-941-81	RES-CHIP	100 5% 1/16W
R3110	1-218-941-81	RES-CHIP	100 5% 1/16W
R3111	1-218-941-81	RES-CHIP	100 5% 1/16W
R3112	1-218-941-81	RES-CHIP	100 5% 1/16W
R3113	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3114	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3115	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3117	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3119	1-218-990-81	SHORT CHIP	0
R3120	1-218-990-81	SHORT CHIP	0
R3125	1-218-937-11	RES-CHIP	47 5% 1/16W
R3126	1-218-990-81	SHORT CHIP	0
R3127	1-220-174-11	RES-CHIP	200 5% 1/16W
R3128	1-220-174-11	RES-CHIP	200 5% 1/16W
R3129	1-220-174-11	RES-CHIP	200 5% 1/16W
R3130	1-220-174-11	RES-CHIP	200 5% 1/16W
R3131	1-220-174-11	RES-CHIP	200 5% 1/16W
R3132	1-220-174-11	RES-CHIP	200 5% 1/16W
R3133	1-208-671-11	METAL CHIP	330 0.5% 1/16W
R3134	1-208-679-11	METAL CHIP	680 0.5% 1/16W
R3136	1-208-675-11	METAL CHIP	470 0.5% 1/16W
R3138	1-218-990-81	SHORT CHIP	0
R3142	1-218-937-11	RES-CHIP	47 5% 1/16W
R3143	1-218-937-11	RES-CHIP	47 5% 1/16W
R3144	1-218-937-11	RES-CHIP	47 5% 1/16W
R3146	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3147	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3148	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3149	1-218-990-81	SHORT CHIP	0
R3150	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3151	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3200	1-218-941-11	RES-CHIP	100 5% 1/16W
R3201	1-218-941-11	RES-CHIP	100 5% 1/16W
R3202	1-218-939-11	RES-CHIP	68 5% 1/16W
R3203	1-218-941-81	RES-CHIP	100 5% 1/16W
R3204	1-218-941-81	RES-CHIP	100 5% 1/16W
R3205	1-218-937-11	RES-CHIP	47 5% 1/16W
R3207	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3209	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3210	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3212	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3214	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3217	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3218	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3220	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3222	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3224	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3226	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3229	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3230	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3233	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3235	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3237	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R3238	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3239	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3240	1-218-939-11	RES-CHIP	68 5% 1/16W
R3241	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3242	1-218-941-81	RES-CHIP	100 5% 1/16W
R3244	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3247	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3249	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3250	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3251	1-218-949-11	RES-CHIP	470 5% 1/16W
R3254	1-218-953-11	RES-CHIP	1K 5% 1/16W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R3255	1-218-953-11	RES-CHIP 1K 5%	1/16W
R3258	1-218-941-81	RES-CHIP 100 5%	1/16W
R3259	1-218-953-11	RES-CHIP 1K 5%	1/16W
R3263	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3264	1-218-949-11	RES-CHIP 470 5%	1/16W
R3265	1-218-949-11	RES-CHIP 470 5%	1/16W
R3300	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3301	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3302	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3303	1-218-953-11	RES-CHIP 1K 5%	1/16W
R3308	1-218-941-81	RES-CHIP 100 5%	1/16W
R3310	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3311	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3312	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3313	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3314	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3317	1-218-961-11	RES-CHIP 4.7K 5%	1/16W
R3321	1-218-941-81	RES-CHIP 100 5%	1/16W
R3324	1-218-941-81	RES-CHIP 100 5%	1/16W
R3329	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3330	1-218-939-11	RES-CHIP 68 5%	1/16W
R3331	1-218-939-11	RES-CHIP 68 5%	1/16W
R3332	1-218-939-11	RES-CHIP 68 5%	1/16W
R3333	1-218-939-11	RES-CHIP 68 5%	1/16W
R3334	1-218-939-11	RES-CHIP 68 5%	1/16W
R3335	1-218-939-11	RES-CHIP 68 5%	1/16W
R3400	1-218-953-11	RES-CHIP 1K 5%	1/16W
R3401	1-208-683-11	METAL CHIP 1K 0.5%	1/16W
R3406	1-218-935-11	RES-CHIP 33 5%	1/16W
R3407	1-208-683-11	METAL CHIP 1K 0.5%	1/16W
R3418	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3419	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3425	1-220-174-11	RES-CHIP 200 5%	1/16W
R3426	1-208-683-11	METAL CHIP 1K 0.5%	1/16W
R3430	1-218-953-11	RES-CHIP 1K 5%	1/16W
R3432	1-218-961-11	RES-CHIP 4.7K 5%	1/16W
R3433	1-208-905-11	METAL CHIP 5.6K 0.5%	1/16W
R3434	1-208-702-11	METAL CHIP 6.2K 0.5%	1/16W
R3435	1-208-703-11	METAL CHIP 6.8K 0.5%	1/16W
R3436	1-218-937-11	RES-CHIP 47 5%	1/16W
R3437	1-218-990-81	SHORT CHIP 0	
R3473	1-218-945-11	RES-CHIP 220 5%	1/16W
R3504	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3508	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3511	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3513	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3514	1-218-941-81	RES-CHIP 100 5%	1/16W
R3515	1-218-953-11	RES-CHIP 1K 5%	1/16W
R3518	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3519	1-218-961-11	RES-CHIP 4.7K 5%	1/16W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R3520	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3522	1-218-941-81	RES-CHIP 100 5%	1/16W
R3554	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3600	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3601	1-218-953-11	RES-CHIP 1K 5%	1/16W
R3602	1-218-941-81	RES-CHIP 100 5%	1/16W
R3603	1-218-941-81	RES-CHIP 100 5%	1/16W
R3604	1-218-961-11	RES-CHIP 4.7K 5%	1/16W
R3609	1-218-941-81	RES-CHIP 100 5%	1/16W
R3610	1-218-961-11	RES-CHIP 4.7K 5%	1/16W
R3611	1-218-961-11	RES-CHIP 4.7K 5%	1/16W
R3612	1-218-990-81	SHORT CHIP 0	
R3613	1-218-990-81	SHORT CHIP 0	
R3616	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3617	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3623	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3628	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3646	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3647	1-218-965-11	RES-CHIP 10K 5%	1/16W
R3648	1-218-941-81	RES-CHIP 100 5%	1/16W
R3649	1-218-941-81	RES-CHIP 100 5%	1/16W
R3650	1-218-941-81	RES-CHIP 100 5%	1/16W
R3651	1-218-941-81	RES-CHIP 100 5%	1/16W
R3652	1-218-961-11	RES-CHIP 4.7K 5%	1/16W
R3653	1-218-943-11	RES-CHIP 150 5%	1/16W
R3654	1-218-943-11	RES-CHIP 150 5%	1/16W
R3655	1-218-943-11	RES-CHIP 150 5%	1/16W

< RESISTOR CHIP >

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB3200	1-234-372-11	RES, NETWORK 100	(1005X4)
RB3201	1-234-372-11	RES, NETWORK 100	(1005X4)
RB3202	1-234-372-11	RES, NETWORK 100	(1005X4)
RB3203	1-234-702-11	RES, NETWORK 68	(1005X4)
RB3204	1-234-702-11	RES, NETWORK 68	(1005X4)
RB3206	1-234-372-11	RES, NETWORK 100	(1005X4)
RB3207	1-234-372-11	RES, NETWORK 100	(1005X4)
RB3208	1-234-702-11	RES, NETWORK 68	(1005X4)
RB3209	1-234-702-11	RES, NETWORK 68	(1005X4)

< CRYSTAL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
X3200	1-813-055-11	QUARTZ CRYSTAL UNIT	

*A-1173-184-C TUE Board, Complete

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
C3803	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C3814	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3815	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3819	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3821	1-117-681-11	ELECT CHIP 100UF	20.00% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C3834	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3900	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3901	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3902	1-164-947-11	CERAMIC CHIP 0.01UF	50V
C3903	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3904	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3906	1-164-947-11	CERAMIC CHIP 0.01UF	50V
C3907	1-135-366-11	ELECT CHIP 100UF	20% 16V
C3909	1-128-991-21	ELECT CHIP 10UF	20% 50V
C3910	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C3911	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3914	1-164-947-11	CERAMIC CHIP 0.01UF	50V
C3917	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3918	1-135-595-11	ELECT 100UF	20% 6.3V
C3919	1-135-595-11	ELECT 100UF	20% 6.3V
C3920	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C3921	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3923	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3924	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3926	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3927	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3929	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3930	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3931	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3932	1-115-566-11	CERAMIC CHIP 4.7UF	10.00% 10V
C3933	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3935	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3937	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3941	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C3942	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C3945	1-115-566-11	CERAMIC CHIP 4.7UF	10.00% 10V
C3946	1-115-566-11	CERAMIC CHIP 4.7UF	10.00% 10V
C3947	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C3948	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C3950	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3951	1-128-405-11	ELECT CHIP 22UF	20% 50V
C3952	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C3953	1-100-053-21	ELECT CHIP 220UF	20% 6.3V
C3954	1-164-866-11	CERAMIC CHIP 47PF	5.00% 50V
C3955	1-164-936-11	CERAMIC CHIP 680PF	10.00% 50V
C3956	1-164-936-11	CERAMIC CHIP 680PF	10.00% 50V
		< CONNECTOR >	
CN3802	1-819-339-11	HEADER ASSEMBLY FOR PWB 12P	
CN3900	1-695-915-11	TAB (CONTACT)	
CN3901	*1-820-235-21	HEADER ASSEMBLY 30P	
CN3903	1-819-337-11	HEADER ASSEMBLY FOR PWB 10P	
CN3904	*1-819-474-11	HEADER ASSEMBLY FOR PWB 6P	
CN3907	1-780-336-11	EARTH TERMINAL	

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< DIODE >	
D3900	8-719-083-87	DIODE UDZS-TE17-33B	
		< FERRITE BEAD >	
FB3901	1-469-869-21	FERRITE 0UH	
FB3902	1-469-869-21	FERRITE 0UH	
FB3903	1-469-869-21	FERRITE 0UH	
FB3909	1-469-869-21	FERRITE 0UH	
		< FILTER >	
FL3800	1-239-899-21	FERRITE 0UH	
		< IC >	
IC3802	6-706-106-01	IC NCP1117STAT3	
IC3900	6-709-257-01	IC 74LVC4066PW	
		< COIL >	
L3804	1-400-175-21	INDUCTOR 47UH	
L3805	1-410-993-42	INDUCTOR 1UH	
L3900	1-412-006-31	INDUCTOR 10UH	
L3902	1-424-924-21	COIL, POWER	
L3903	1-410-993-42	INDUCTOR 1UH	
L3904	1-412-989-11	INDUCTOR 6.8UH	
		< TRANSISTOR >	
Q3900	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q3901	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3902	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3903	6-550-871-01	TRANSISTOR 2SA2048TL QR	
Q3904	6-550-871-01	TRANSISTOR 2SA2048TL QR	
Q3905	6-550-871-01	TRANSISTOR 2SA2048TL QR	
Q3906	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3907	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R	
		< RESISTOR >	
R3810	1-208-683-11	METAL CHIP 1K	0.5% 1/16W
R3812	1-218-948-11	RES-CHIP 390	5% 1/16W
R3813	1-218-937-11	RES-CHIP 47	5% 1/16W
R3900	1-216-295-91	SHORT CHIP 0	
R3901	1-218-990-81	SHORT CHIP 0	
R3902	1-218-938-11	RES-CHIP 56	5% 1/16W
R3903	1-218-953-11	RES-CHIP 1K	5% 1/16W
R3904	1-218-937-11	RES-CHIP 47	5% 1/16W
R3906	1-216-821-11	METAL CHIP 1K	5% 1/10W
R3907	1-218-973-11	RES-CHIP 47K	5% 1/16W
R3908	1-218-937-11	RES-CHIP 47	5% 1/16W
R3909	1-218-965-11	RES-CHIP 10K	5% 1/16W
R3911	1-218-990-81	SHORT CHIP 0	

REF.NO.	PART.NO	DESCRIPTION	REMARK
R3913	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3918	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3919	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3921	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3922	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3924	1-218-933-11	RES-CHIP 22 5% 1/16W	
R3925	1-218-933-11	RES-CHIP 22 5% 1/16W	
R3926	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3927	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3929	1-218-990-81	SHORT CHIP 0	
R3930	1-218-990-81	SHORT CHIP 0	
R3938	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3943	1-218-949-11	RES-CHIP 470 5% 1/16W	
R3945	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3946	1-218-949-11	RES-CHIP 470 5% 1/16W	
R3947	1-218-929-11	RES-CHIP 10 5% 1/16W	
R3948	1-218-929-11	RES-CHIP 10 5% 1/16W	
R3950	1-218-961-11	RES-CHIP 4.7K 5% 1/16W	
R3951	1-218-961-11	RES-CHIP 4.7K 5% 1/16W	
R3952	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3953	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3958	1-218-957-11	RES-CHIP 2.2K 5% 1/16W	
R3959	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3960	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3961	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3962	1-218-969-11	RES-CHIP 22K 5% 1/16W	
R3967	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3970	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3971	1-218-969-11	RES-CHIP 22K 5% 1/16W	
R3973	1-218-990-81	SHORT CHIP 0	
R3974	1-218-990-81	SHORT CHIP 0	
R3980	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3981	1-218-933-11	RES-CHIP 22 5% 1/16W	
R3982	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3983	1-218-990-81	SHORT CHIP 0	
R3984	1-218-990-81	SHORT CHIP 0	
R3985	1-218-990-81	SHORT CHIP 0	
R3986	1-218-990-81	SHORT CHIP 0	
R3987	1-218-990-81	SHORT CHIP 0	
R3988	1-218-990-81	SHORT CHIP 0	
R3989	1-218-990-81	SHORT CHIP 0	
R3996	1-218-990-81	SHORT CHIP 0	
R3997	1-218-933-11	RES-CHIP 22 5% 1/16W	
R3998	1-218-933-11	RES-CHIP 22 5% 1/16W	

< RESISTOR CHIP >

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB3900	1-234-371-21	RES, NETWORK 47	(1005X4)
RB3901	1-234-371-21	RES, NETWORK 47	(1005X4)
RB3902	1-234-371-21	RES, NETWORK 47	(1005X4)

< TUNER >

REF.NO.	PART.NO	DESCRIPTION	REMARK
TU3901	8-597-598-00	TUNER UNIT, DIGITAL BTD-HF441Z	

*A-1192-085-B H46 Board, Complete (KDL-46W2000)

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
C201	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	
C202	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	
C203	1-127-573-11	CERAMIC CHIP 1UF 10% 16V	
C204	1-127-573-11	CERAMIC CHIP 1UF 10% 16V	
C205	1-125-891-11	CERAMIC CHIP 0.47UF 10.00% 10V	
C206	1-125-889-91	CERAMIC CHIP 2.2UF 10% 10V	
C207	1-125-889-91	CERAMIC CHIP 2.2UF 10% 10V	
C208	1-125-889-91	CERAMIC CHIP 2.2UF 10% 10V	
C209	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V	
C210	1-164-227-11	CERAMIC CHIP 0.022UF 10.00% 25V	
C211	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V	
C212	1-164-227-11	CERAMIC CHIP 0.022UF 10.00% 25V	
C215	1-115-416-11	CERAMIC CHIP 0.001UF 5.00% 25V	

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN201	1-820-192-11	HEADER ASSEMBLY (PRINT PWB)15P	

< DIODE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
D201	8-719-070-63	DIODE PDZ10B-115	
D202	8-719-070-63	DIODE PDZ10B-115	
D203	8-719-070-63	DIODE PDZ10B-115	
D204	8-719-070-63	DIODE PDZ10B-115	
D205	8-719-070-63	DIODE PDZ10B-115	
D206	8-719-070-63	DIODE PDZ10B-115	

< SOCKET >

REF.NO.	PART.NO	DESCRIPTION	REMARK
J201	1-780-368-11	S TERMINAL BLOCK (RIGHT ANGLE)	
J202	1-815-325-11	JACK	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
R201	1-216-864-11	SHORT CHIP 0	
R202	1-216-864-11	SHORT CHIP 0	
R205	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R206	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R207	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R208	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R209	1-218-285-11	METAL CHIP 75 5% 1/10W	
R210	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R211	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R212	1-216-797-11	METAL CHIP 10 5% 1/10W	
R213	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R214	1-216-821-11	METAL CHIP 1K 5% 1/10W	

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION			REMARK
R215	1-216-809-11	METAL CHIP	100	5%	1/10W
R216	1-216-809-11	METAL CHIP	100	5%	1/10W
R217	1-216-821-11	METAL CHIP	1K	5%	1/10W
R218	1-216-821-11	METAL CHIP	1K	5%	1/10W
R219	1-216-809-11	METAL CHIP	100	5%	1/10W
R220	1-216-797-11	METAL CHIP	10	5%	1/10W
R222	1-216-853-11	METAL CHIP	470K	5%	1/10W
R223	1-216-853-11	METAL CHIP	470K	5%	1/10W
R224	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R225	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R226	1-216-864-11	SHORT CHIP	0		

< VARISTOR >

REF.NO.	PART.NO	DESCRIPTION
VD201	1-802-082-11	VARISTOR (SMD)
VD202	1-802-082-11	VARISTOR (SMD)
VD203	1-802-082-11	VARISTOR (SMD)

*A-1184-357-B G2A Board, Complete

REF.NO.	PART.NO	DESCRIPTION
	4-382-854-11	SCREW (M3X10), P, SW (+)

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION			REMARK
C6000 △	1-161-964-91	CERAMIC	0.0047UF		250V
C6001 △	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6002 △	1-165-531-11	MYLAR	1UF	10	275V
C6003 △	1-161-964-91	CERAMIC	0.0047UF		250V
C6004 △	1-165-529-11	MYLAR	0.22UF	10	275V
C6005 △	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6006	1-135-361-11	ELECT(BLOCK)	180UF	20%	450V
C6008	1-135-361-11	ELECT(BLOCK)	180UF	20%	450V
C6010 △	1-113-889-11	CERAMIC	0.001UF	20.00%	250V
C6012 △	1-113-889-11	CERAMIC	0.001UF	20.00%	250V
C6015 △	1-113-889-11	CERAMIC	0.001UF	20.00%	250V
C6016 △	1-113-889-11	CERAMIC	0.001UF	20.00%	250V
C6051	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6100	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6101	1-107-905-11	ELECT	4.7UF	20%	50V
C6102	1-107-910-11	ELECT	100UF	20%	50V
C6103	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6104	1-100-831-91	CERAMIC CHIP	0.001UF	2%	50V
C6105	1-107-906-11	ELECT	10UF	20%	50V
C6108	1-115-340-11	CERAMIC CHIP	0.22UF	10.00%	25V
C6109	1-107-888-11	ELECT	47UF	20%	25V
C6111	1-162-134-11	CERAMIC	470PF	10.00%	2KV
C6112	1-100-310-11	FILM	18000PF	3%	800V
C6116	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C6200	1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
C6202	1-112-242-21	ELECT	1500UF	20%	25V
C6203	1-107-907-11	ELECT	22UF	20%	50V
C6204	1-112-242-21	ELECT	1500UF	20%	25V
C6205	1-112-242-21	ELECT	1500UF	20%	25V
C6207	1-112-242-21	ELECT	1500UF	20%	25V
C6216	1-107-928-11	ELECT	4.7UF	20%	100V
C6217	1-112-229-21	ELECT	1500UF	20%	16V
C6305	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6306	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
C6307	1-107-903-11	ELECT	2.2UF	20%	50V
C6308	1-107-904-11	ELECT	3.3UF	20%	50V
C6309	1-107-910-11	ELECT	100UF	20%	50V
C6310	1-100-139-31	FILM	0.001UF	5%	630V
C6314	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6315	1-165-729-31	ELECT	470UF	20%	16V
C6316	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6401	1-107-882-91	ELECT	100UF	20%	16V
C6402	1-127-573-11	CERAMIC CHIP	1UF	10%	16V
C6404	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6405	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6406	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6407	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6408	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C6409	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6412	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C6413	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6451	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6454	1-125-889-91	CERAMIC CHIP	2.2UF	10%	10V
C6504	1-162-134-11	CERAMIC	470PF	10.00%	2KV
C6505	1-162-134-11	CERAMIC	470PF	10.00%	2KV
C6507	1-107-888-11	ELECT	47UF	20%	25V
C6517	1-117-227-11	MYLAR	1UF	10.00%	450V
C6518	1-112-744-52	MYLAR	1UF	10%	450V
C6519	1-162-969-11	CERAMIC CHIP	0.0068UF	10.00%	25V
C6520	1-117-227-11	MYLAR	1UF	10.00%	450V
C6521	1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V
C6522	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6523	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6525	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6526	1-107-906-11	ELECT	10UF	20%	50V

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION
CN6000	1-695-915-11	TAB (CONTACT)
CN6001 △	*1-793-660-11	PIN, CONNECTOR (PC BOARD) 3P
CN6011	1-537-770-21	TERMINAL BOARD, GROUND
CN6200	*1-793-236-11	PIN, CONNECTOR (PC BOARD) 14P
CN6202	*1-785-708-11	PIN, CONNECTOR (PC BOARD) 12P
CN6204	*1-785-706-11	PIN, CONNECTOR (PC BOARD) 10P
CN6206	1-695-915-11	TAB (CONTACT)
CN6207	1-695-915-11	TAB (CONTACT)
CN6211	1-537-770-21	TERMINAL BOARD, GROUND
CN6214	1-537-770-21	TERMINAL BOARD, GROUND

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

G2A

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN6216	1-537-770-21	TERMINAL BOARD, GROUND	
CN6217	*1-785-701-11	PIN, CONNECTOR (PC BOARD) 3P	
		< DIODE >	
D6000	8-719-054-89	DIODE D15XB60	
D6002	8-719-404-50	DIODE MA111-TX	
D6003	8-719-404-50	DIODE MA111-TX	
D6102	6-500-137-01	DIODE BAT54HT1	
D6103	8-719-979-64	DIODE UF4005/23	
D6104	6-501-043-01	DIODE UMZ16NT106	
D6105	6-501-043-01	DIODE UMZ16NT106	
D6106	8-719-081-67	DIODE M1FM3	
D6107	8-719-081-67	DIODE M1FM3	
D6108	8-719-041-97	DIODE MA113-(TX)	
D6109	8-719-022-90	DIODE MA8160-M	
D6200	8-719-057-96	DIODE D10SC6M-4012	
D6201	8-719-057-96	DIODE D10SC6M-4012	
D6202	8-719-057-96	DIODE D10SC6M-4012	
D6203	8-719-057-96	DIODE D10SC6M-4012	
D6204	6-500-567-31	DIODE 10ERB20-TB3	
D6205	6-500-567-31	DIODE 10ERB20-TB3	
D6207	8-719-057-96	DIODE D10SC6M-4012	
D6208	8-719-057-96	DIODE D10SC6M-4012	
D6302	6-500-567-31	DIODE 10ERB20-TB3	
D6303	6-500-567-31	DIODE 10ERB20-TB3	
D6304	6-500-849-01	DIODE ERA22-08KFLB	
D6305	6-500-567-31	DIODE 10ERB20-TB3	
D6306	8-719-510-02	DIODE D1NS4	
D6401	8-719-404-50	DIODE MA111-TX	
D6402	8-719-404-50	DIODE MA111-TX	
D6406	8-719-404-50	DIODE MA111-TX	
D6407	8-719-018-01	DIODE MA8220-TX	
D6408	8-719-404-50	DIODE MA111-TX	
D6452	8-719-404-50	DIODE MA111-TX	
D6456	8-719-404-50	DIODE MA111-TX	
D6504	8-719-404-50	DIODE MA111-TX	
D6505	8-719-421-82	DIODE MA8043-M	
D6506	8-719-054-59	DIODE FSF05A60	
D6507	8-719-404-50	DIODE MA111-TX	
D6508	6-500-108-01	DIODE EP05FA20	
D6509	6-500-108-01	DIODE EP05FA20	
D6510	6-500-137-01	DIODE BAT54HT1	
D6511	8-719-404-50	DIODE MA111-TX	
D6512	8-719-404-50	DIODE MA111-TX	
D6551	8-719-404-50	DIODE MA111-TX	
D6552	8-719-404-50	DIODE MA111-TX	
D6553	8-719-404-50	DIODE MA111-TX	

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< FUSE >	
F6000 △	1-576-233-51	FUSE	6.3A 250V
		< FERRITE BEAD >	
FB6100	1-412-911-11	FERRITE	0UH
FB6101	1-412-911-11	FERRITE	0UH
		< CLIP FUSE >	
FH6000 △	1-533-223-11	FUSE HOLDER	0A 0V
FH6001 △	1-533-223-11	FUSE HOLDER	0A 0V
		< IC >	
IC6100	6-707-749-01	IC CXD9841P	
IC6200	6-709-368-01	IC MM1431ATT (CN)	
IC6301	6-708-801-01	IC MIP2H2	
IC6302	6-709-442-01	IC MM1530ATT	
IC6401	6-709-368-01	IC MM1431ATT (CN)	
IC6402	6-709-368-01	IC MM1431ATT (CN)	
IC6502	6-709-192-01	IC FA5501AN-D1-TE1	
		< COIL >	
L6000 △	1-456-856-21	LINE FILTER COIL	
L6203	1-414-487-41	INDUCTOR	1UH
L6204	1-414-487-41	INDUCTOR	1UH
L6207	1-457-239-11	INDUCTOR	4.7UH
L6208	1-457-239-11	INDUCTOR	4.7UH
L6300	1-414-183-41	INDUCTOR	10UH
L6500	1-457-218-11	INDUCTOR	100UH
L6502	1-457-141-21	INDUCTOR	175UH
		< PHOTOCOUPLER >	
PH6000 △	6-600-187-01	PHOTO COUPLER PC123Y22J0OF	
PH6100	6-600-187-01	PHOTO COUPLER PC123Y22J0OF	
PH6301	6-600-187-01	PHOTO COUPLER PC123Y22J0OF	
PH6400	6-600-187-01	PHOTO COUPLER PC123Y22J0OF	
PH6401	6-600-187-01	PHOTO COUPLER PC123Y22J0OF	
PH6402	6-600-187-01	PHOTO COUPLER PC123Y22J0OF	
		< TRANSISTOR >	
Q6051	8-729-045-62	TRANSISTOR 2SK2158-T2B	
Q6100	6-551-297-01	TRANSISTOR 2SK3568(LBS1SONY.Q	
Q6101	6-551-297-01	TRANSISTOR 2SK3568(LBS1SONY.Q	
Q6400	8-729-804-41	TRANSISTOR 2SB1122-S	
Q6401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6402	8-729-045-62	TRANSISTOR 2SK2158-T2B	
Q6403	8-729-600-22	TRANSISTOR 2SA1235-F	
Q6404	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6405	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q6406	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6408	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6409	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6454	8-729-600-22	TRANSISTOR 2SA1235-F	
Q6455	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6500	6-551-403-01	TRANSISTOR 2SK3797(LBS1SONY.	
Q6501	8-729-820-90	TRANSISTOR 2SD1621-ST	
Q6502	8-729-804-41	TRANSISTOR 2SB1122-S	
Q6504	6-551-403-01	TRANSISTOR 2SK3797(LBS1SONY.	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
R6002 ⚠	1-240-251-11	METAL	6.8 5% 10W
R6003	1-247-752-11	CARBON	1K 5% 1/2W
R6004	1-218-835-11	METAL CHIP	330 0.5% 1/10W
R6016	1-535-143-71	LEAD, JUMPER (7.5MM)	
R6051	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6052	1-216-837-11	METAL CHIP	22K 5% 1/10W
R6101	1-249-385-11	CARBON	2.2 5% 1/4W
R6102 ⚠	1-202-933-61	FUSIBLE	0.1 10% 1/2W
R6103	1-218-823-11	METAL CHIP	100 0.5% 1/10W
R6104	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R6105	1-208-854-11	METAL CHIP	1M 0.5% 1/10W
R6106	1-208-854-11	METAL CHIP	1M 0.5% 1/10W
R6107	1-208-854-11	METAL CHIP	1M 0.5% 1/10W
R6108	1-208-854-11	METAL CHIP	1M 0.5% 1/10W
R6109	1-218-761-11	METAL CHIP	240K 0.5% 1/10W
R6110	1-218-881-11	METAL CHIP	27K 0.5% 1/10W
R6111	1-218-873-11	METAL CHIP	12K 0.5% 1/10W
R6114	1-211-985-11	METAL CHIP	47 0.5% 1/10W
R6116	1-216-009-91	RES-CHIP	22 5% 1/10W
R6117	1-216-009-91	RES-CHIP	22 5% 1/10W
R6118	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6119	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6121	1-216-361-00	METAL OXIDE	0.22 5% 2W
R6122	1-216-361-00	METAL OXIDE	0.22 5% 2W
R6123	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R6127	1-216-857-11	METAL CHIP	1M 5% 1/10W
R6200	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6201	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6202	1-216-105-91	RES-CHIP	220K 5% 1/10W
R6203	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R6204	1-218-843-11	METAL CHIP	680 0.5% 1/10W
R6205	1-218-865-11	METAL CHIP	5.6K 0.5% 1/10W
R6207	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R6208	1-249-377-11	CARBON	0.47 5% 1/4W
R6226	1-249-389-11	CARBON	4.7 5% 1/4W
R6300 ⚠	1-212-958-00	FUSIBLE	10 5% 1/2W
R6301	1-243-725-71	METAL OXIDE	100K 5% 1W
R6302	1-218-865-11	METAL CHIP	5.6K 0.5% 1/10W
R6303	1-249-385-11	CARBON	2.2 5% 1/4W
R6304	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6305	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R6306	1-216-805-11	METAL CHIP	47 5% 1/10W
R6307	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R6308	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R6309	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R6400	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6401	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R6402	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6403	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R6405	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R6407	1-216-837-11	METAL CHIP	22K 5% 1/10W
R6408	1-218-879-11	METAL CHIP	22K 0.5% 1/10W
R6409	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6410	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6412	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6413	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R6414	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6415	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6416	1-216-837-11	METAL CHIP	22K 5% 1/10W
R6417	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6418	1-216-845-11	METAL CHIP	100K 5% 1/10W
R6419	1-216-837-11	METAL CHIP	22K 5% 1/10W
R6420	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6421	1-216-864-11	SHORT CHIP	0
R6422	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R6425	1-216-809-11	METAL CHIP	100 5% 1/10W
R6426	1-216-849-11	METAL CHIP	220K 5% 1/10W
R6427	1-218-889-11	METAL CHIP	56K 0.5% 1/10W
R6436	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R6437	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6441	1-216-841-11	METAL CHIP	47K 5% 1/10W
R6442	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6443	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6444	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6451	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6452	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R6453	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6454	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R6455	1-218-903-11	METAL CHIP	220K 0.5% 1/10W
R6456	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W
R6459	1-218-885-11	METAL CHIP	39K 0.5% 1/10W
R6461	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6462	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6468	1-218-903-11	METAL CHIP	220K 0.5% 1/10W
R6503	1-215-882-00	METAL OXIDE	22 5% 2W
R6512	1-218-907-11	METAL CHIP	330K 0.5% 1/10W
R6513	1-218-879-11	METAL CHIP	22K 0.5% 1/10W
R6514	1-218-895-11	METAL CHIP	100K 0.5% 1/10W
R6515	1-218-823-11	METAL CHIP	100 0.5% 1/10W

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
R6526	1-211-989-11	METAL CHIP 68 0.5% 1/10W	
R6527	1-218-913-91	METAL CHIP 560K 0.5% 1/10W	
R6528	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
R6529	1-216-864-11	SHORT CHIP 0	
R6530	1-219-729-61	METAL 0.33 10% 5W	
R6531	1-219-729-61	METAL 0.33 10% 5W	
R6532	1-216-864-11	SHORT CHIP 0	
R6533	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6534	1-218-823-11	METAL CHIP 100 0.5% 1/10W	
R6535	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6536	1-218-830-11	METAL CHIP 200 0.5% 1/10W	
R6537	1-249-389-11	CARBON 4.7 5% 1/4W	
R6538	1-249-405-11	CARBON 100 5% 1/4W	
R6539	1-218-830-11	METAL CHIP 200 0.5% 1/10W	
R6540	1-249-389-11	CARBON 4.7 5% 1/4W	
R6541	1-208-818-11	METAL CHIP 33K 0.5% 1/10W	
R6542	1-208-814-91	METAL CHIP 22K 0.5% 1/10W	
R6543	1-218-830-11	METAL CHIP 200 0.5% 1/10W	
R6544	1-218-830-11	METAL CHIP 200 0.5% 1/10W	
R6545	1-208-848-11	METAL CHIP 560K 0.5% 1/10W	
R6546	1-208-848-11	METAL CHIP 560K 0.5% 1/10W	
R6547	1-208-848-11	METAL CHIP 560K 0.5% 1/10W	
R6548	1-208-846-11	METAL CHIP 470K 0.5% 1/10W	
R6549	1-208-844-11	METAL CHIP 390K 0.5% 1/10W	
R6550	1-218-875-11	METAL CHIP 15K 0.5% 1/10W	
R6551	1-249-393-11	CARBON 10 5% 1/4W	
R6552	1-216-809-11	METAL CHIP 100 5% 1/10W	
R6553 ⚠	1-208-830-11	METAL CHIP 100K 0.5% 1/10W	
R6554	1-218-911-11	METAL CHIP 470K 0.5% 1/10W	
R6555	1-218-887-11	METAL CHIP 47K 0.5% 1/10W	
R6557	1-218-851-11	METAL CHIP 1.5K 0.5% 1/10W	
R6560	1-218-911-11	METAL CHIP 470K 0.5% 1/10W	
R6562 ⚠	1-218-760-11	METAL CHIP 220K 0.5% 1/10W	
R6563 ⚠	1-218-760-11	METAL CHIP 220K 0.5% 1/10W	
R6564 ⚠	1-218-760-11	METAL CHIP 220K 0.5% 1/10W	
R6565 ⚠	1-218-760-11	METAL CHIP 220K 0.5% 1/10W	
R6566	1-216-833-11	METAL CHIP 10K 5% 1/10W	

< RELAY >

REF.NO.	PART.NO	DESCRIPTION	REMARK
RY6003 ⚠	1-755-579-11	RELAY, POWER	

< TRANSFORMER >

REF.NO.	PART.NO	DESCRIPTION	REMARK
T6102 ⚠	1-443-983-11	CONVERTER TRANSFORMER (PIT)	
T6103 ⚠	1-443-982-11	CONVERTER TRANSFORMER (PIT)	
T6301 ⚠	1-443-984-11	CONVERTER TRANSFORMER (SBT)	

< VARISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
VD6000 ⚠	1-804-996-21	VARISTOR	
VD6001 ⚠	1-804-996-21	VARISTOR	

*A-1196-582-D BE Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
	2-586-175-01	SHEET B, RADIATION	
A5001	1-694-974-21	CONTACT TERMINAL	
A5002	1-694-974-21	CONTACT TERMINAL	
A5003	1-694-974-21	CONTACT TERMINAL	
A5004	1-694-974-21	CONTACT TERMINAL	

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
C4001	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4003	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4004	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C4006	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4007	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4010	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4011	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C4012	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C4013	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C4014	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C4015	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4016	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4017	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4018	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4019	1-164-847-11	CERAMIC CHIP 7PF	0.50PF 50V
C4021	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4022	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C4023	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4024	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C4025	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4026	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4027	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4028	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4029	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4030	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C4031	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4032	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4033	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4034	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4035	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4036	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C4037	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4038	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4039	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4040	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4041	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4042	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4043	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4044	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C4045	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C4046	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4047	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4048	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4049	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4050	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4051	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4052	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4053	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4054	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4055	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4056	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4057	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4058	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4059	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4060	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4061	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4062	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4063	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4066	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4067	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4068	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4069	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4070	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4071	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C4072	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4073	1-126-390-11	ELECT CHIP 22UF	20.00% 6.3V
C4074	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4075	1-164-939-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C4076	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C4079	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4080	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4081	1-126-391-11	ELECT CHIP 47UF	20.00% 6.3V
C4082	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4083	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4084	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C4085	1-115-456-21	DOUBLE LAYER 0.22F	5.5V
C4086	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C4087	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4089	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C4090	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4091	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C4092	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4100	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C4101	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C4105	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C4106	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C4107	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C4110	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4301	1-112-692-11	CERAMIC CHIP 1000PF	5% 50V
C4304	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C4305	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4306	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4307	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4308	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C4309	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C4310	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C4311	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C4312	1-100-162-91	CERAMIC CHIP 1UF	50V
C4400	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4401	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4402	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4403	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C4404	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C4405	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4406	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4407	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C4408	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C4409	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C4412	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4413	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C4414	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C4415	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C4416	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C4512	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5000	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5002	1-100-908-11	CERAMIC CHIP 1UF	10% 6.3V
C5003	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5004	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5005	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5006	1-164-847-11	CERAMIC CHIP 7PF	0.50PF 50V
C5007	1-164-847-11	CERAMIC CHIP 7PF	0.50PF 50V
C5008	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C5009	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C5011	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5012	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C5013	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C5014	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5036	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5038	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5201	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5203	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5205	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5207	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5208	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C5209	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C5210	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5211	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5212	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5214	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5215	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK	
C5216	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5217	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5218	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5219	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5220	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5221	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5222	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5223	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5224	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5226	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5227	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5228	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5229	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5300	1-126-394-11	ELECT CHIP 10UF	20.00%	16V
C5301	1-126-394-11	ELECT CHIP 10UF	20.00%	16V
C5302	1-126-392-11	ELECT CHIP 100UF	20.00%	6.3V
C5303	1-126-394-11	ELECT CHIP 10UF	20.00%	16V
C5304	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5305	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5306	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5307	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5308	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5309	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5310	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5311	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5312	1-126-392-11	ELECT CHIP 100UF	20.00%	6.3V
C5313	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5314	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5315	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5316	1-126-392-11	ELECT CHIP 100UF	20.00%	6.3V
C5317	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5318	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5319	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5320	1-126-392-11	ELECT CHIP 100UF	20.00%	6.3V
C5321	1-112-068-11	CERAMIC CHIP 220PF	10%	50V
C5322	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5323	1-100-906-11	CERAMIC CHIP 0.01UF	10%	16V
C5324	1-162-979-11	CERAMIC CHIP 0.0027UF	10.00%	50V
C5325	1-162-979-11	CERAMIC CHIP 0.0027UF	10.00%	50V
C5326	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5327	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5328	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5329	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5330	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5331	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5332	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5333	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5334	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5335	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5336	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5337	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5338	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5339	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5340	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5341	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5342	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5343	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5344	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5345	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5346	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5347	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5348	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5349	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5350	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5351	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5352	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5353	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5354	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5355	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5356	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5357	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5358	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5359	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5360	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5361	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5362	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5363	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5364	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5365	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5366	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5367	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5368	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5369	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5370	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5371	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5372	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5373	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5374	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5375	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5376	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5377	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5378	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5379	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5380	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5381	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5382	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5383	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5384	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5385	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5386	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V

REF.NO.	PART.NO	DESCRIPTION	REMARK	
C5387	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5388	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5389	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5390	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5391	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5392	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5393	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5394	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5395	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5396	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5397	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5398	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5399	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5400	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5401	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5402	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5403	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5404	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5405	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5406	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5407	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5408	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5409	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5410	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5411	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5412	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5413	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5414	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5415	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5416	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5417	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5418	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5419	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5420	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5421	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5422	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5423	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5424	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5425	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5426	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5427	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5428	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5429	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5430	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5431	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5432	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5433	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5434	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5435	1-126-392-11	ELECT CHIP 100UF	20.00%	6.3V
C5436	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5437	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5438	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5439	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5440	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5441	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5442	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5443	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5444	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5445	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5446	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5447	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5448	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5449	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5450	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5451	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5452	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5453	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5454	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5455	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5456	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5457	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5458	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5459	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5460	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5461	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5462	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5463	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5464	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5465	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5466	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5467	1-100-906-11	CERAMIC CHIP 0.01UF	10%	16V
C5500	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5501	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5502	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5503	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5504	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5505	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5506	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5507	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5508	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5509	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5510	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5511	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5512	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5513	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5514	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5515	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5516	1-100-906-11	CERAMIC CHIP 0.01UF	10%	16V
C5518	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C5519	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C5520	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5521	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5522	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5523	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5524	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5525	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5526	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5527	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5528	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5529	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5530	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5531	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5532	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5533	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5534	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5535	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5536	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5537	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5538	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5539	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5540	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5541	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5542	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5543	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5544	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5545	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5546	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5547	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5548	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5549	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5550	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5551	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5552	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5553	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5554	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5555	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5556	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5557	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5558	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5559	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5560	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5561	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5562	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5802	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5803	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5804	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5806	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5807	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C5808	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C5809	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5811	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5812	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5813	1-126-390-11	ELECT CHIP 22UF	20.00% 6.3V
C5814	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5818	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5819	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5820	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5821	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5827	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5828	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5829	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5832	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5833	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5834	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C5835	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C5836	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C5837	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C5838	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C5839	1-164-936-11	CERAMIC CHIP 680PF	10.00% 50V
C5840	1-164-936-11	CERAMIC CHIP 680PF	10.00% 50V
C5841	1-112-067-11	CERAMIC CHIP 0.22UF	10% 16V
C5842	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5843	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5844	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5845	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5846	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5847	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5848	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5849	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5850	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5851	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5852	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5853	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5854	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5855	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5856	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5857	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5858	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5859	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5860	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5861	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5862	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5863	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5864	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5865	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5866	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5867	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5868	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5869	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5870	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C5871	1-164-854-11	CERAMIC CHIP 15PF	5.00% 50V
C5872	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5873	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C5874	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5875	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5876	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5877	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5878	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5879	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5880	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5881	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5882	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5883	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5884	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5885	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5886	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5887	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5888	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5889	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5892	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5893	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5894	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5895	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5896	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C5897	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5900	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5901	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5902	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5903	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5904	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5905	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5906	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5907	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5908	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5909	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5910	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C5911	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C5912	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7000	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C7001	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C7002	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C7003	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C7004	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C7005	1-162-967-11	CERAMIC CHIP 0.0033UF	10.00% 50V
C7006	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7007	1-100-552-21	ELECT CHIP 10UF	20% 25V
C7008	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7009	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C7010	1-112-797-11	ELECT CHIP 470UF	20% 25V
C7011	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C7012	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C7013	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C7014	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C7015	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7016	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C7017	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7019	1-112-161-21	ELECT CHIP 1000UF	20% 6.3V
C7020	1-164-934-11	CERAMIC CHIP 330PF	10.00% 50V
C7022	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C7023	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C7025	1-125-827-91	CERAMIC CHIP 1UF	10.00% 25V
C7026	1-125-827-91	CERAMIC CHIP 1UF	10.00% 25V
C7027	1-164-939-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7028	1-119-923-11	CERAMIC CHIP 0.047UF	10.00% 10V
C7029	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C7030	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C7031	1-135-342-21	ELECT CHIP 56UF	20% 10V
C7032	1-135-346-21	ELECT CHIP 39UF	20% 16V
C7033	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C7034	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7035	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7036	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C7037	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C7039	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C7040	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7041	1-100-567-81	CERAMIC CHIP 0.01UF	10% 25V
C7042	1-112-066-11	CERAMIC CHIP 10UF	10% 10V
C7043	1-164-939-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7044	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7046	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C7047	1-165-672-21	ELECT CHIP 47UF	20% 10V
C7048	1-164-878-11	CERAMIC CHIP 150PF	5% 50V
C7049	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C7050	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C7051	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C7054	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7056	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C7057	1-112-046-11	CERAMIC CHIP 4.7UF	10% 6.3V
C7058	1-100-906-11	CERAMIC CHIP 0.01UF	10% 16V
C7060	1-135-595-11	ELECT 100UF	20% 6.3V
C7062	1-135-342-21	ELECT CHIP 56UF	20% 10V
C7065	1-112-161-21	ELECT CHIP 1000UF	20% 6.3V
C7067	1-112-797-11	ELECT CHIP 470UF	20% 25V
C7068	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C7069	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C7070	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C7079	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C7080	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C7081	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C7082	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

BE

REF.NO.	PART.NO	DESCRIPTION	REMARK
C7083	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C7084	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C7085	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C7088	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C7089	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN4001	*1-819-390-51	FFC/FPC CONNECTOR (ZIF) 49P	
CN4002	*1-819-447-11	HEADER ASSEMBLY FOR PWB 10P	
CN4003	*1-779-331-51	CONNECTOR, FFC/FPC 14P	
CN4004	*1-779-936-51	CONNECTOR, FFC/FPC 18P	
CN4007	*1-819-336-11	HEADER ASSEMBLY FOR PWB 3P	
CN4008	*1-820-187-11	HEADER ASSEMBLY (PRINT PWB)10P	
CN4300	*1-819-337-11	HEADER ASSEMBLY FOR PWB 10P	
CN4301	*1-820-189-11	HEADER ASSEMBLY (PRINT PWB)12P	
CN4400	*1-820-284-11	D SUB CONNECTOR	
CN4700	*1-820-255-51	FFC/FPC CONNECTOR (ZIF) 20P	
CN5003	*1-820-506-11	HEADER ASSEMBLY FOR PWB 51P	
CN5800	*1-818-737-11	HDMI CONNECTOR	
CN5801	*1-818-737-11	HDMI CONNECTOR	
CN7002	*1-780-408-11	TERMINAL	
CN7003	*1-780-408-11	TERMINAL	
CN7004	*1-780-408-11	TERMINAL	
CN7005	*1-780-408-11	TERMINAL	
CN7008	*1-820-186-11	HEADER ASSEMBLY (PRINT PWB) 9P	
CN7009	*1-820-186-11	HEADER ASSEMBLY (PRINT PWB) 9P	
CN7010	*1-780-408-11	TERMINAL	
CN7011	*1-780-408-11	TERMINAL	
CN7012	*1-780-408-11	TERMINAL	
CN7013	*1-780-408-11	TERMINAL	
CN7014	*1-780-408-11	TERMINAL	
CN7015	*1-780-408-11	TERMINAL	
CN7016	*1-780-408-11	TERMINAL	
CN7017	*1-780-408-11	TERMINAL	
CN7018	*1-780-408-11	TERMINAL	
CN7019	*1-780-408-11	TERMINAL	

< DIODE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
D4002	8-719-058-24	DIODE RB501V-40TE-17	
D4006	8-719-073-01	DIODE MA111-(K8).S0	
D4007	8-719-077-59	DIODE 1PS302	
D4020	8-719-422-46	DIODE MA8056	
D4021	8-719-422-46	DIODE MA8056	
D4301	8-719-064-03	DIODE HZU16B2TRF-E	
D4302	8-719-064-03	DIODE HZU16B2TRF-E	
D4400	8-719-422-46	DIODE MA8056	
D4401	8-719-422-46	DIODE MA8056	
D4402	8-719-422-46	DIODE MA8056	
D4403	8-719-050-38	DIODE M1MA152WK-T1	
D4500	8-719-056-84	DIODE UDZ-TE-17-7.5B	
D4508	8-719-073-01	DIODE MA111-(K8).S0	
D4509	8-719-073-01	DIODE MA111-(K8).S0	
D4510	8-719-073-01	DIODE MA111-(K8).S0	
D4511	8-719-073-01	DIODE MA111-(K8).S0	
D5801	8-719-073-01	DIODE MA111-(K8).S0	
D5802	8-719-073-01	DIODE MA111-(K8).S0	
D5804	8-719-073-01	DIODE MA111-(K8).S0	
D5813	8-719-073-01	DIODE MA111-(K8).S0	
D7000	6-500-215-01	DIODE M2FM3	
D7001	8-719-072-43	DIODE RB050L-40TE25	
D7002	6-500-294-01	DIODE PTZ-TE25-3.9B	
D7003	6-500-294-01	DIODE PTZ-TE25-3.9B	
D7004	8-719-072-43	DIODE RB050L-40TE25	
D7005	8-719-072-43	DIODE RB050L-40TE25	
D7006	8-719-073-01	DIODE MA111-(K8).S0	
D7007	8-719-072-43	DIODE RB050L-40TE25	
D7008	6-500-579-01	DIODE PTZ-TE25-6.8B	
D7009	8-719-084-56	DIODE PTZ-TE25-15B	
D7010	6-500-295-01	DIODE PTZ-TE25-5.6B	

< FUSE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
F7000 ⚠	1-576-603-21	FUSE	3.15A 24V

< FERRITE BEAD >

REF.NO.	PART.NO	DESCRIPTION	REMARK
FB4001	1-414-227-11	FERRITE 0UH	
FB4002	1-400-177-21	FERRITE 0UH	
FB4003	1-414-227-11	FERRITE 0UH	
FB4004	1-400-110-21	FERRITE 0UH	
FB4005	1-400-110-21	FERRITE 0UH	
FB4006	1-400-110-21	FERRITE 0UH	
FB4007	1-400-110-21	FERRITE 0UH	
FB4008	1-400-331-11	FERRITE 0UH	
FB4009	1-400-807-21	FERRITE 0UH	
FB4010	1-400-591-22	FERRITE 0UH	
FB4011	1-400-807-21	FERRITE 0UH	
FB4012	1-400-807-21	FERRITE 0UH	
FB4013	1-400-807-21	FERRITE 0UH	
FB4014	1-400-807-21	FERRITE 0UH	
FB4015	1-400-807-21	FERRITE 0UH	
FB4016	1-400-807-21	FERRITE 0UH	
FB4017	1-400-794-21	FERRITE 0UH	
FB4018	1-400-794-21	FERRITE 0UH	
FB4019	1-400-591-22	FERRITE 0UH	
FB4020	1-400-141-22	FERRITE 0UH	
FB4021	1-400-141-22	FERRITE 0UH	
FB4022	1-400-807-21	FERRITE 0UH	
FB4023	1-400-807-21	FERRITE 0UH	
FB4311	1-400-851-11	FERRITE 0UH	
FB4312	1-400-110-21	FERRITE 0UH	

REF.NO.	PART.NO	DESCRIPTION	REMARK
FB4313	1-400-110-21	FERRITE 0UH	
FB4315	1-400-110-21	FERRITE 0UH	
FB4320	1-400-141-22	FERRITE 0UH	
FB4321	1-400-141-22	FERRITE 0UH	
FB4400	1-469-100-21	FERRITE 0UH	
FB4401	1-469-100-21	FERRITE 0UH	
FB4402	1-469-100-21	FERRITE 0UH	
FB4404	1-469-100-21	FERRITE 0UH	
FB4405	1-400-141-22	FERRITE 0UH	
FB5000	1-400-461-21	FERRITE 0UH	
FB5001	1-400-461-21	FERRITE 0UH	
FB5002	1-400-461-21	FERRITE 0UH	
FB5003	1-400-461-21	FERRITE 0UH	
FB5004	1-400-461-21	FERRITE 0UH	
FB5005	1-400-461-21	FERRITE 0UH	
FB5006	1-400-461-21	FERRITE 0UH	
FB5008	1-400-794-21	FERRITE 0UH	
FB5300	1-400-794-21	FERRITE 0UH	
FB5301	1-400-794-21	FERRITE 0UH	
FB5302	1-400-794-21	FERRITE 0UH	
FB5501	1-400-794-21	FERRITE 0UH	
FB5502	1-400-794-21	FERRITE 0UH	
FB5800	1-469-094-21	FERRITE 0UH	
FB5801	1-400-461-21	FERRITE 0UH	
FB5802	1-414-235-22	FERRITE 0UH	
FB5803	1-414-235-22	FERRITE 0UH	
FB5804	1-400-461-21	FERRITE 0UH	
FB5805	1-400-461-21	FERRITE 0UH	
FB5806	1-414-235-22	FERRITE 0UH	
FB5807	1-400-461-21	FERRITE 0UH	
FB5808	1-400-382-11	FERRITE 0UH	
FB5809	1-400-382-11	FERRITE 0UH	
FB7000	1-400-794-21	FERRITE 0UH	
FB7001	1-414-445-11	FERRITE 0UH	
FB7002	1-414-445-11	FERRITE 0UH	
FB7003	1-414-445-11	FERRITE 0UH	
FB7004	1-400-591-22	FERRITE 0UH	
FB7005	1-400-110-21	FERRITE 0UH	
FB7006	1-400-110-21	FERRITE 0UH	
FB7007	1-400-110-21	FERRITE 0UH	
FB7008	1-400-110-21	FERRITE 0UH	
FB7009	1-400-591-22	FERRITE 0UH	
FB7010	1-400-591-22	FERRITE 0UH	
FB7011	1-400-591-22	FERRITE 0UH	
FB7014	1-400-591-22	FERRITE 0UH	

< FILTER >

REF.NO.	PART.NO	DESCRIPTION	REMARK
FL4001	1-234-177-21	FERRITE 0UH	
FL5300	1-234-177-21	FERRITE 0UH	
FL5301	1-234-177-21	FERRITE 0UH	
FL5302	1-234-177-21	FERRITE 0UH	
FL5303	1-234-177-21	FERRITE 0UH	
FL5304	1-234-177-21	FERRITE 0UH	
FL5306	1-234-177-21	FERRITE 0UH	
FL5500	1-234-177-21	FERRITE 0UH	
FL5501	1-234-177-21	FERRITE 0UH	
FL5800	1-234-177-21	FERRITE 0UH	
FL5801	1-234-177-21	FERRITE 0UH	
FL5802	1-234-177-21	FERRITE 0UH	

< IC >

REF.NO.	PART.NO	DESCRIPTION	REMARK
IC4001	6-708-219-01	IC MB91305PMC-G-BNDE1	
IC4002	6-807-038-01	IC MX29LV160CTTI-70G-WAX2FE-03	
IC4003	6-706-419-01	IC LM393DT (A)	
IC4004	6-703-175-01	IC PST3629UL	
IC4005	6-710-121-01	IC M24256-BWMN6TP(A)	
IC4006	6-709-512-01	IC S-1132B18-M5T1G	
IC4007	6-706-815-01	IC TMP75AIDR	
IC4008	8-759-549-03	IC SN74LV132APWR	
IC4009	6-709-517-01	IC S-35390A-J8T1G	
IC4010	6-708-762-01	IC PQ200WNA1ZPH	
IC4400	6-704-600-01	IC M24C02-WMN6T(B)	
IC4401	8-759-679-54	IC SN74LVC14APWR	
IC5000	6-709-896-01	IC CXD9887GG	
IC5001	6-706-491-01	IC TC7SH86FU(T5RSOYJF)	
IC5002	8-759-651-59	IC SN74CBTLV3245APWR	
IC5003	8-759-651-59	IC SN74CBTLV3245APWR	
IC5004	* 6-703-108-01	IC SN74LVC2G04DCKR	
IC5500	6-710-089-01	IC K4D263238I-VC50T	
IC5501	6-710-089-01	IC K4D263238I-VC50T	
IC5800	6-704-819-01	IC CS4335-KSZR	
IC5801	6-704-001-01	IC BR24L02F-WE2	
IC5802	6-709-927-01	IC RT8H225C-TP-2	
IC5803	6-704-001-01	IC BR24L02F-WE2	
IC5805	6-709-498-01	IC SII9023CTU	
IC5806	6-705-403-01	IC PQ070XZ01ZPH	
IC7000	6-707-927-01	IC BD9775FV	
IC7001	6-702-142-01	IC PQ1CY1032ZP	
IC7002	6-710-037-01	IC MB39C011APFT-G-BND-ERE1	
IC7003	6-708-862-01	IC MM1662FTRE	

< SOCKET >

REF.NO.	PART.NO	DESCRIPTION	REMARK
J4400	1-820-638-11	JACK (SMALL TYPE)	
J5800	1-820-764-11	PHONO JACK2P	

< COIL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
L5000	1-457-360-21	INDUCTOR 0UH	
L5001	1-457-360-21	INDUCTOR 0UH	
L5002	1-457-360-21	INDUCTOR 0UH	
L5003	1-457-360-21	INDUCTOR 0UH	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
L5004	1-457-360-21	INDUCTOR 0UH	
L5006	1-457-360-21	INDUCTOR 0UH	
L5007	1-457-360-21	INDUCTOR 0UH	
L5008	1-457-360-21	INDUCTOR 0UH	
L5009	1-457-360-21	INDUCTOR 0UH	
L5010	1-457-360-21	INDUCTOR 0UH	
L5012	1-400-177-21	FERRITE 0UH	
L5200	1-469-561-21	INDUCTOR 100UH	
L5300	1-469-551-21	INDUCTOR 2.2UH	
L5301	1-469-551-21	INDUCTOR 2.2UH	
L5302	1-469-551-21	INDUCTOR 2.2UH	
L5303	1-469-551-21	INDUCTOR 2.2UH	
L5304	1-412-054-21	INDUCTOR 2.2UH	
L5305	1-400-177-21	FERRITE 0UH	
L5804	1-469-555-21	INDUCTOR 10UH	
L5805	1-469-555-21	INDUCTOR 10UH	
L7000	1-400-175-21	INDUCTOR 47UH	
L7001	1-457-041-21	INDUCTOR 10UH	
L7002	1-456-787-21	INDUCTOR 10UH	
L7003	1-481-080-11	INDUCTOR 22UH	
L7004	1-481-083-11	INDUCTOR 22UH	
L7005	1-424-797-21	INDUCTOR 10UH	
L7007	1-400-790-21	INDUCTOR 4.7UH	

< PROTECTOR MODULE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
PS4400 ⚠	1-576-122-21	IC LINK	0.4A 72V
PS7000 ⚠	1-576-603-21	FUSE	3.15A 24V

< TRANSISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q4001	6-551-387-01	TRANSISTOR SSM6N16FU	
Q4003	8-729-028-74	TRANSISTOR DTA114TUA-T106	
Q4004	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q4005	8-729-028-74	TRANSISTOR DTA114TUA-T106	
Q4006	8-729-029-04	TRANSISTOR DTC123JUA-T106	
Q4007	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4285	8-729-029-00	TRANSISTOR DTC115EUA-T106	
Q4286	8-729-028-77	TRANSISTOR DTA115EUA-T106	
Q4301	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4400	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4500	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4502	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4503	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4504	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4505	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4506	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4507	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q5200	8-729-602-36	TRANSISTOR 2SA1602-F	
Q5201	8-729-602-36	TRANSISTOR 2SA1602-F	

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q5800	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q5801	8-729-025-28	TRANSISTOR 2SK1828	
Q5802	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q5803	8-729-025-28	TRANSISTOR 2SK1828	
Q5804	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q5805	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q5807	6-551-364-01	TRANSISTOR DTC614TUT106	
Q5808	6-551-364-01	TRANSISTOR DTC614TUT106	
Q5810	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q5812	6-550-014-01	TRANSISTOR SSM6N15FU(TE85R)	
Q5813	6-550-014-01	TRANSISTOR SSM6N15FU(TE85R)	
Q7000	6-550-652-01	TRANSISTOR FDS4435A	
Q7001	6-550-828-01	TRANSISTOR RSQ035P03TR	
Q7002	6-550-828-01	TRANSISTOR RSQ035P03TR	
Q7003	*6-550-663-01	TRANSISTOR RSS100N03TB	
Q7004	6-550-355-01	TRANSISTOR RTQ045N03TR	
Q7005	6-550-851-01	TRANSISTOR RSS050P03FTB	
Q7007	8-729-602-21	TRANSISTOR 2SC4154-F	
Q7008	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q7009	6-550-663-01	TRANSISTOR RSS100N03TB	
Q7012	8-729-029-00	TRANSISTOR DTC115EUA-T106	
Q7015	8-729-028-77	TRANSISTOR DTA115EUA-T106	
Q7016	8-729-029-00	TRANSISTOR DTC115EUA-T106	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
R4001	1-216-864-11	SHORT CHIP 0	
R4002	1-216-864-11	SHORT CHIP 0	
R4003	1-218-961-11	RES-CHIP 4.7K 5% 1/16W	
R4004	1-218-961-11	RES-CHIP 4.7K 5% 1/16W	
R4005	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R4007	1-218-937-11	RES-CHIP 47 5% 1/16W	
R4008	1-218-937-11	RES-CHIP 47 5% 1/16W	
R4009	1-218-937-11	RES-CHIP 47 5% 1/16W	
R4010	1-218-990-81	SHORT CHIP 0	
R4011	1-216-864-11	SHORT CHIP 0	
R4012	1-216-864-11	SHORT CHIP 0	
R4013	1-216-801-11	METAL CHIP 22 5% 1/10W	
R4014	1-216-801-11	METAL CHIP 22 5% 1/10W	
R4015	1-216-864-11	SHORT CHIP 0	
R4016	1-216-801-11	METAL CHIP 22 5% 1/10W	
R4017	1-216-801-11	METAL CHIP 22 5% 1/10W	
R4018	1-216-864-11	SHORT CHIP 0	
R4019	1-216-864-11	SHORT CHIP 0	
R4020	1-216-813-11	METAL CHIP 220 5% 1/10W	
R4021	1-216-801-11	METAL CHIP 22 5% 1/10W	
R4022	1-216-801-11	METAL CHIP 22 5% 1/10W	
R4023	1-216-801-11	METAL CHIP 22 5% 1/10W	
R4024	1-216-801-11	METAL CHIP 22 5% 1/10W	
R4025	1-216-864-11	SHORT CHIP 0	
R4026	1-216-801-11	METAL CHIP 22 5% 1/10W	

REF.NO.	PART.NO	DESCRIPTION	REMARK
R4027	1-218-990-81	SHORT CHIP	0
R4028	1-216-864-11	SHORT CHIP	0
R4029	1-216-864-11	SHORT CHIP	0
R4031	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R4032	1-216-864-11	SHORT CHIP	0
R4033	1-216-864-11	SHORT CHIP	0
R4034	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R4035	1-216-864-11	SHORT CHIP	0
R4036	1-218-963-11	RES-CHIP	6.8K 5% 1/16W
R4037	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R4038	1-218-963-11	RES-CHIP	6.8K 5% 1/16W
R4039	1-216-864-11	SHORT CHIP	0
R4040	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4041	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4042	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4043	1-208-927-11	METAL CHIP	47K 0.5% 1/16W
R4044	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4045	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4046	1-216-864-11	SHORT CHIP	0
R4047	1-216-864-11	SHORT CHIP	0
R4048	1-216-864-11	SHORT CHIP	0
R4049	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4050	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4051	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4052	1-216-864-11	SHORT CHIP	0
R4055	1-218-990-81	SHORT CHIP	0
R4056	1-218-990-81	SHORT CHIP	0
R4059	1-216-864-11	SHORT CHIP	0
R4064	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4065	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4067	1-216-864-11	SHORT CHIP	0
R4068	1-218-990-81	SHORT CHIP	0
R4069	1-208-855-81	METAL CHIP	47 0.5% 1/16W
R4070	1-216-864-11	SHORT CHIP	0
R4071	1-218-990-81	SHORT CHIP	0
R4074	1-218-990-81	SHORT CHIP	0
R4075	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4076	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4077	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4078	1-216-864-11	SHORT CHIP	0
R4082	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4088	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4092	1-216-864-11	SHORT CHIP	0
R4093	1-216-864-11	SHORT CHIP	0
R4096	1-208-699-11	METAL CHIP	4.7K 0.5% 1/16W
R4097	1-208-679-11	METAL CHIP	680 0.5% 1/16W
R4098	1-208-691-11	METAL CHIP	2.2K 0.5% 1/16W
R4099	1-216-864-11	SHORT CHIP	0
R4100	1-216-864-11	SHORT CHIP	0
R4101	1-218-959-11	RES-CHIP	3.3K 5% 1/16W
R4103	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4111	1-218-933-11	RES-CHIP	22 5% 1/16W
R4113	1-218-933-11	RES-CHIP	22 5% 1/16W
R4120	1-216-864-11	SHORT CHIP	0
R4121	1-216-864-11	SHORT CHIP	0
R4122	1-216-864-11	SHORT CHIP	0
R4123	1-216-864-11	SHORT CHIP	0
R4124	1-216-864-11	SHORT CHIP	0
R4125	1-216-864-11	SHORT CHIP	0
R4134	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4144	1-208-691-11	METAL CHIP	2.2K 0.5% 1/16W
R4161	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4162	1-218-973-11	RES-CHIP	47K 5% 1/16W
R4164	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4165	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4167	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4168	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4169	1-216-864-11	SHORT CHIP	0
R4180	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4186	1-218-990-81	SHORT CHIP	0
R4188	1-218-990-81	SHORT CHIP	0
R4190	1-208-886-81	METAL CHIP	910 0.5% 1/16W
R4192	1-218-941-81	RES-CHIP	100 5% 1/16W
R4193	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4195	1-218-990-81	SHORT CHIP	0
R4196	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4198	1-218-990-81	SHORT CHIP	0
R4199	1-218-941-81	RES-CHIP	100 5% 1/16W
R4202	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4203	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4205	1-218-990-81	SHORT CHIP	0
R4206	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4207	1-218-949-11	RES-CHIP	470 5% 1/16W
R4208	1-218-990-81	SHORT CHIP	0
R4209	1-218-990-81	SHORT CHIP	0
R4210	1-218-949-11	RES-CHIP	470 5% 1/16W
R4211	1-218-965-11	RES-CHIP	10K 5% 1/16W
R4212	1-218-949-11	RES-CHIP	470 5% 1/16W
R4218	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R4223	1-218-945-11	RES-CHIP	220 5% 1/16W
R4224	1-218-990-81	SHORT CHIP	0
R4225	1-218-937-11	RES-CHIP	47 5% 1/16W
R4226	1-218-945-11	RES-CHIP	220 5% 1/16W
R4227	1-218-937-11	RES-CHIP	47 5% 1/16W
R4235	1-218-990-81	SHORT CHIP	0
R4239	1-218-990-81	SHORT CHIP	0
R4240	1-208-943-11	METAL CHIP	220K 0.5% 1/16W
R4242	1-218-941-81	RES-CHIP	100 5% 1/16W
R4243	1-216-809-11	METAL CHIP	100 5% 1/10W
R4246	1-218-965-11	RES-CHIP	10K 5% 1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R4247	1-216-864-11	SHORT CHIP	0		
R4255	1-400-591-22	FERRITE	0UH		
R4256	1-400-591-22	FERRITE	0UH		
R4257	1-400-591-22	FERRITE	0UH		
R4258	1-400-591-22	FERRITE	0UH		
R4259	1-400-591-22	FERRITE	0UH		
R4260	1-400-591-22	FERRITE	0UH		
R4261	1-400-591-22	FERRITE	0UH		
R4262	1-400-591-22	FERRITE	0UH		
R4263	1-400-591-22	FERRITE	0UH		
R4264	1-400-591-22	FERRITE	0UH		
R4265	1-400-591-22	FERRITE	0UH		
R4266	1-216-864-11	SHORT CHIP	0		
R4267	1-400-591-22	FERRITE	0UH		
R4270	1-218-941-81	RES-CHIP	100	5%	1/16W
R4271	1-218-990-81	SHORT CHIP	0		
R4272	1-218-990-81	SHORT CHIP	0		
R4290	1-218-990-81	SHORT CHIP	0		
R4295	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R4301	1-218-990-81	SHORT CHIP	0		
R4302	1-218-941-11	RES-CHIP	100	5%	1/16W
R4303	1-218-990-81	SHORT CHIP	0		
R4307	1-218-990-81	SHORT CHIP	0		
R4308	1-218-990-81	SHORT CHIP	0		
R4309	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R4310	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R4313	1-216-864-11	SHORT CHIP	0		
R4314	1-216-864-11	SHORT CHIP	0		
R4315	1-216-864-11	SHORT CHIP	0		
R4316	1-216-864-11	SHORT CHIP	0		
R4321	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R4322	1-218-985-11	RES-CHIP	470K	5%	1/16W
R4400	1-216-805-11	METAL CHIP	47	5%	1/10W
R4401	1-216-805-11	METAL CHIP	47	5%	1/10W
R4406	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4407	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R4408	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R4409	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4410	1-216-805-11	METAL CHIP	47	5%	1/10W
R4411	1-216-805-11	METAL CHIP	47	5%	1/10W
R4412	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4413	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4414	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4415	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4417	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4418	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4419	1-216-845-11	METAL CHIP	100K	5%	1/10W
R4421	1-216-801-11	METAL CHIP	22	5%	1/10W
R4422	1-216-801-11	METAL CHIP	22	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R4423	1-216-801-11	METAL CHIP	22	5%	1/10W
R4429	1-216-801-11	METAL CHIP	22	5%	1/10W
R4430	1-216-801-11	METAL CHIP	22	5%	1/10W
R4439	1-218-985-11	RES-CHIP	470K	5%	1/16W
R4440	1-218-985-11	RES-CHIP	470K	5%	1/16W
R4441	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R4442	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R4443	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R4444	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R4445	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4506	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R4507	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R4510	1-218-990-81	SHORT CHIP	0		
R4515	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R4516	1-218-978-11	RES-CHIP	120K	5%	1/16W
R4517	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R4518	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R4542	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4543	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4544	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4545	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4546	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4547	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4700	1-218-937-11	RES-CHIP	47	5%	1/16W
R4710	1-218-990-81	SHORT CHIP	0		
R4715	1-218-969-11	RES-CHIP	22K	5%	1/16W
R4716	1-218-969-11	RES-CHIP	22K	5%	1/16W
R4717	1-218-969-11	RES-CHIP	22K	5%	1/16W
R4718	1-218-969-11	RES-CHIP	22K	5%	1/16W
R4719	1-216-864-11	SHORT CHIP	0		
R4720	1-216-864-11	SHORT CHIP	0		
R4727	1-218-990-81	SHORT CHIP	0		
R4728	1-218-990-81	SHORT CHIP	0		
R5004	1-218-990-81	SHORT CHIP	0		
R5007	1-218-990-81	SHORT CHIP	0		
R5009	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5012	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5013	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5015	1-218-989-11	RES-CHIP	1M	5%	1/16W
R5017	1-218-990-81	SHORT CHIP	0		
R5018	1-218-941-11	RES-CHIP	100	5%	1/16W
R5019	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5020	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5021	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5022	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5024	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5032	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5039	1-218-935-11	RES-CHIP	33	5%	1/16W
R5200	1-218-957-11	RES-CHIP	2.2K	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION	REMARK		
R5201	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5202	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5203	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5204	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5205	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5206	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5207	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5209	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5210	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5211	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5212	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5213	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5214	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5215	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5218	1-218-990-81	SHORT CHIP	0		
R5219	1-216-864-11	SHORT CHIP	0		
R5220	1-216-864-11	SHORT CHIP	0		
R5221	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5222	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5223	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5224	1-218-933-11	RES-CHIP	22	5%	1/16W
R5225	1-218-933-11	RES-CHIP	22	5%	1/16W
R5226	1-218-990-81	SHORT CHIP	0		
R5227	1-218-990-81	SHORT CHIP	0		
R5228	1-218-990-81	SHORT CHIP	0		
R5229	1-218-990-81	SHORT CHIP	0		
R5230	1-218-990-81	SHORT CHIP	0		
R5231	1-218-990-81	SHORT CHIP	0		
R5232	1-218-990-81	SHORT CHIP	0		
R5233	1-218-990-81	SHORT CHIP	0		
R5234	1-218-990-81	SHORT CHIP	0		
R5235	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5236	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5238	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5239	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5241	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5243	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5245	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5247	1-218-990-81	SHORT CHIP	0		
R5248	1-218-990-81	SHORT CHIP	0		
R5251	1-218-990-81	SHORT CHIP	0		
R5252	1-218-990-81	SHORT CHIP	0		
R5253	1-218-990-81	SHORT CHIP	0		
R5254	1-218-990-81	SHORT CHIP	0		
R5255	1-218-990-81	SHORT CHIP	0		
R5256	1-218-990-81	SHORT CHIP	0		
R5257	1-218-990-81	SHORT CHIP	0		
R5258	1-218-990-81	SHORT CHIP	0		
R5259	1-218-990-81	SHORT CHIP	0		
R5260	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5261	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5262	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5263	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5264	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5265	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5304	1-216-295-91	SHORT CHIP	0		
R5500	1-218-661-11	METAL CHIP	51	0.5%	1/10W
R5501	1-218-937-11	RES-CHIP	47	5%	1/16W
R5502	1-218-661-11	METAL CHIP	51	0.5%	1/10W
R5503	1-218-937-11	RES-CHIP	47	5%	1/16W
R5504	1-218-933-11	RES-CHIP	22	5%	1/16W
R5505	1-218-937-11	RES-CHIP	47	5%	1/16W
R5506	1-218-937-11	RES-CHIP	47	5%	1/16W
R5509	1-218-937-11	RES-CHIP	47	5%	1/16W
R5510	1-218-937-11	RES-CHIP	47	5%	1/16W
R5511	1-218-933-11	RES-CHIP	22	5%	1/16W
R5512	1-218-933-11	RES-CHIP	22	5%	1/16W
R5513	1-218-939-11	RES-CHIP	68	5%	1/16W
R5514	1-218-939-11	RES-CHIP	68	5%	1/16W
R5515	1-218-939-11	RES-CHIP	68	5%	1/16W
R5516	1-218-939-11	RES-CHIP	68	5%	1/16W
R5517	1-218-661-11	METAL CHIP	51	0.5%	1/10W
R5518	1-218-937-11	RES-CHIP	47	5%	1/16W
R5519	1-218-661-11	METAL CHIP	51	0.5%	1/10W
R5520	1-218-937-11	RES-CHIP	47	5%	1/16W
R5522	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5523	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5524	1-218-937-11	RES-CHIP	47	5%	1/16W
R5525	1-218-937-11	RES-CHIP	47	5%	1/16W
R5526	1-218-937-11	RES-CHIP	47	5%	1/16W
R5527	1-218-937-11	RES-CHIP	47	5%	1/16W
R5530	1-218-939-11	RES-CHIP	68	5%	1/16W
R5531	1-218-939-11	RES-CHIP	68	5%	1/16W
R5532	1-218-939-11	RES-CHIP	68	5%	1/16W
R5533	1-218-939-11	RES-CHIP	68	5%	1/16W
R5534	1-218-933-11	RES-CHIP	22	5%	1/16W
R5535	1-218-933-11	RES-CHIP	22	5%	1/16W
R5536	1-218-933-11	RES-CHIP	22	5%	1/16W
R5537	1-218-933-11	RES-CHIP	22	5%	1/16W
R5538	1-218-933-11	RES-CHIP	22	5%	1/16W
R5539	1-218-933-11	RES-CHIP	22	5%	1/16W
R5540	1-218-933-11	RES-CHIP	22	5%	1/16W
R5541	1-218-933-11	RES-CHIP	22	5%	1/16W
R5543	1-218-933-11	RES-CHIP	22	5%	1/16W
R5544	1-218-933-11	RES-CHIP	22	5%	1/16W
R5545	1-218-933-11	RES-CHIP	22	5%	1/16W
R5546	1-218-933-11	RES-CHIP	22	5%	1/16W
R5547	1-218-933-11	RES-CHIP	22	5%	1/16W
R5548	1-218-933-11	RES-CHIP	22	5%	1/16W
R5549	1-218-933-11	RES-CHIP	22	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R5550	1-218-933-11	RES-CHIP	22	5%	1/16W
R5802	1-218-929-11	RES-CHIP	10	5%	1/16W
R5803	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5804	1-218-990-81	SHORT CHIP	0		
R5805	1-218-929-11	RES-CHIP	10	5%	1/16W
R5806	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5807	1-218-990-81	SHORT CHIP	0		
R5808	1-218-990-81	SHORT CHIP	0		
R5809	1-218-990-81	SHORT CHIP	0		
R5810	1-216-864-11	SHORT CHIP	0		
R5813	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R5814	1-216-864-11	SHORT CHIP	0		
R5815	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5816	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5817	1-218-941-81	RES-CHIP	100	5%	1/16W
R5818	1-218-941-81	RES-CHIP	100	5%	1/16W
R5819	1-218-990-81	SHORT CHIP	0		
R5820	1-218-990-81	SHORT CHIP	0		
R5821	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R5822	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5823	1-218-941-81	RES-CHIP	100	5%	1/16W
R5824	1-218-941-81	RES-CHIP	100	5%	1/16W
R5825	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5826	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5827	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5829	1-218-941-81	RES-CHIP	100	5%	1/16W
R5830	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5831	1-218-929-11	RES-CHIP	10	5%	1/16W
R5832	1-218-929-11	RES-CHIP	10	5%	1/16W
R5833	1-218-929-11	RES-CHIP	10	5%	1/16W
R5834	1-218-929-11	RES-CHIP	10	5%	1/16W
R5835	1-218-929-11	RES-CHIP	10	5%	1/16W
R5836	1-218-929-11	RES-CHIP	10	5%	1/16W
R5837	1-218-929-11	RES-CHIP	10	5%	1/16W
R5838	1-218-929-11	RES-CHIP	10	5%	1/16W
R5839	1-218-937-11	RES-CHIP	47	5%	1/16W
R5840	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5841	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5844	1-218-929-11	RES-CHIP	10	5%	1/16W
R5845	1-218-929-11	RES-CHIP	10	5%	1/16W
R5846	1-218-929-11	RES-CHIP	10	5%	1/16W
R5847	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5848	1-218-929-11	RES-CHIP	10	5%	1/16W
R5849	1-218-929-11	RES-CHIP	10	5%	1/16W
R5850	1-218-929-11	RES-CHIP	10	5%	1/16W
R5851	1-218-929-11	RES-CHIP	10	5%	1/16W
R5854	1-218-985-11	RES-CHIP	470K	5%	1/16W
R5855	1-218-985-11	RES-CHIP	470K	5%	1/16W
R5856	1-218-929-11	RES-CHIP	10	5%	1/16W
R5857	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5859	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5860	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5861	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5862	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R5863	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R5864	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5865	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R5866	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R5867	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5870	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5871	1-218-935-11	RES-CHIP	33	5%	1/16W
R5872	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5873	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5875	1-218-989-11	RES-CHIP	1M	5%	1/16W
R5877	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R5878	1-218-989-11	RES-CHIP	1M	5%	1/16W
R5879	1-218-990-81	SHORT CHIP	0		
R5881	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5882	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5883	1-220-876-81	METAL CHIP	18	0.5%	1/16W
R5884	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R5885	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R5886	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R5887	1-208-679-11	METAL CHIP	680	0.5%	1/16W
R5888	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5889	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R5890	1-218-948-11	RES-CHIP	390	5%	1/16W
R5892	1-218-933-11	RES-CHIP	22	5%	1/16W
R5893	1-218-937-11	RES-CHIP	47	5%	1/16W
R5894	1-218-937-11	RES-CHIP	47	5%	1/16W
R5895	1-218-937-11	RES-CHIP	47	5%	1/16W
R5896	1-218-937-11	RES-CHIP	47	5%	1/16W
R5900	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5901	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5902	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5903	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5904	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5907	1-218-990-81	SHORT CHIP	0		
R5908	1-218-990-81	SHORT CHIP	0		
R5909	1-218-990-81	SHORT CHIP	0		
R5910	1-218-990-81	SHORT CHIP	0		
R7000	1-218-877-11	METAL CHIP	18K	0.5%	1/10W
R7001	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R7002	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R7003	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R7004	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7005	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R7006	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R7007	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R7008	1-218-891-11	METAL CHIP	68K	0.5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R7009	1-216-841-11	METAL CHIP	47K 5% 1/10W
R7010	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R7011	1-218-879-11	METAL CHIP	22K 0.5% 1/10W
R7012	1-216-835-11	METAL CHIP	15K 5% 1/10W
R7013	1-218-882-11	METAL CHIP	30K 0.5% 1/10W
R7014	1-218-937-11	RES-CHIP	47 5% 1/16W
R7015	1-218-937-11	RES-CHIP	47 5% 1/16W
R7016	1-216-295-91	SHORT CHIP	0
R7017	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R7019	1-216-835-11	METAL CHIP	15K 5% 1/10W
R7020	1-216-864-11	SHORT CHIP	0
R7021	1-216-837-11	METAL CHIP	22K 5% 1/10W
R7022	1-216-864-11	SHORT CHIP	0
R7023	1-216-864-11	SHORT CHIP	0
R7024	1-216-837-11	METAL CHIP	22K 5% 1/10W
R7025	1-216-864-11	SHORT CHIP	0
R7026	1-216-864-11	SHORT CHIP	0
R7027	1-218-990-81	SHORT CHIP	0
R7028	1-208-933-11	METAL CHIP	82K 0.5% 1/16W
R7029	1-208-935-11	METAL CHIP	100K 0.5% 1/16W
R7030	1-208-943-11	METAL CHIP	220K 0.5% 1/16W
R7031	1-218-971-11	RES-CHIP	33K 5% 1/16W
R7032	1-218-990-81	SHORT CHIP	0
R7033	1-218-990-81	SHORT CHIP	0
R7034	1-218-990-81	SHORT CHIP	0
R7035	1-218-990-81	SHORT CHIP	0
R7036	1-218-990-81	SHORT CHIP	0
R7037	1-218-990-81	SHORT CHIP	0
R7038	1-208-713-11	METAL CHIP	18K 0.5% 1/16W
R7039	1-218-990-81	SHORT CHIP	0
R7041	1-218-965-11	RES-CHIP	10K 5% 1/16W
R7043	1-208-713-11	METAL CHIP	18K 0.5% 1/16W
R7044	1-218-990-81	SHORT CHIP	0
R7045	1-218-941-81	RES-CHIP	100 5% 1/16W
R7046	1-216-295-91	SHORT CHIP	0
R7048	1-216-864-11	SHORT CHIP	0
R7049	1-216-864-11	SHORT CHIP	0
R7050	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R7051	1-218-839-11	METAL CHIP	470 0.5% 1/10W
R7053	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W
R7054	1-218-843-11	METAL CHIP	680 0.5% 1/10W
R7055	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R7056	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R7057	1-216-843-11	METAL CHIP	68K 5% 1/10W
R7058	1-216-851-11	METAL CHIP	330K 5% 1/10W
R7060	1-208-911-11	METAL CHIP	10K 0.5% 1/16W
R7063	1-208-911-11	METAL CHIP	10K 0.5% 1/16W
R7064	1-216-864-11	SHORT CHIP	0
R7066	1-208-711-11	METAL CHIP	15K 0.5% 1/16W
R7067	1-208-911-11	METAL CHIP	10K 0.5% 1/16W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R7080	1-218-990-81	SHORT CHIP	0
R7082	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R7083	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R7085	1-208-909-11	METAL CHIP	8.2K 0.5% 1/16W
R7087	1-218-967-11	RES-CHIP	15K 5% 1/16W
R7090	1-218-978-11	RES-CHIP	120K 5% 1/16W
R7091	1-208-929-81	METAL CHIP	56K 0.5% 1/16W
R7092	1-218-963-11	RES-CHIP	6.8K 5% 1/16W
R7093	1-216-295-91	SHORT CHIP	0
R7094	1-216-864-11	SHORT CHIP	0
R7095	1-216-864-11	SHORT CHIP	0
R7096	1-216-864-11	SHORT CHIP	0
R7097	1-216-295-91	SHORT CHIP	0
R7098	1-216-295-91	SHORT CHIP	0
R7099	1-216-295-91	SHORT CHIP	0
R7100	1-216-295-91	SHORT CHIP	0
R7101	1-216-864-11	SHORT CHIP	0
R7102	1-216-864-11	SHORT CHIP	0
R7103	1-216-864-11	SHORT CHIP	0
R7104	1-216-864-11	SHORT CHIP	0
R7105	1-218-973-11	RES-CHIP	47K 5% 1/16W
R7106	1-208-911-11	METAL CHIP	10K 0.5% 1/16W
R7107	1-208-911-11	METAL CHIP	10K 0.5% 1/16W
R7108	1-208-911-11	METAL CHIP	10K 0.5% 1/16W
R7109	1-218-973-11	RES-CHIP	47K 5% 1/16W
R7110	1-216-864-11	SHORT CHIP	0
R7111	1-216-864-11	SHORT CHIP	0
R7112	1-218-849-11	METAL CHIP	1.2K 0.5% 1/10W
R7119	1-218-990-81	SHORT CHIP	0

< RESISTOR CHIP >

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB4007	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB4008	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB4014	1-234-371-21	RES, NETWORK 47	(1005X4)
RB4015	1-234-371-21	RES, NETWORK 47	(1005X4)
RB4016	1-234-371-21	RES, NETWORK 47	(1005X4)
RB4018	1-234-371-21	RES, NETWORK 47	(1005X4)
RB4019	1-234-371-21	RES, NETWORK 47	(1005X4)
RB4020	1-234-371-21	RES, NETWORK 47	(1005X4)
RB4700	1-234-372-11	RES, NETWORK 100	(1005X4)
RB4701	1-234-372-11	RES, NETWORK 100	(1005X4)
RB4707	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB4708	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB4709	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB4710	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB4711	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB4712	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB5000	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5001	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5002	1-234-372-11	RES, NETWORK 100	(1005X4)

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB5003	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5004	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5005	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB5006	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB5007	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB5212	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB5213	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB5501	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5502	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5503	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5504	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5505	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5506	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5507	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5508	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5509	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5510	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5511	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5516	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5517	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5518	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5519	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5520	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5521	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5522	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5523	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5800	1-242-963-21	RES, NETWORK 33	(1005X4)
RB5801	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5802	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5803	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5804	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5805	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5806	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5807	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB5808	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB5809	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB5810	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB5811	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB5812	1-234-378-21	RES, NETWORK 10K	(1005X4)

< VARISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
VD4400	1-802-078-11	VARISTOR (SMD)	
VD4401	1-802-078-11	VARISTOR (SMD)	
VD4402	1-802-078-11	VARISTOR (SMD)	
VD4403	1-802-078-11	VARISTOR (SMD)	
VD4404	1-802-078-11	VARISTOR (SMD)	
VD4405	1-802-078-11	VARISTOR (SMD)	
VD4406	1-802-078-11	VARISTOR (SMD)	
VD5801	1-802-078-11	VARISTOR (SMD)	
VD5802	1-802-078-11	VARISTOR (SMD)	
VD5803	6-500-701-01	DIODE PGB1010603NR	
VD5804	6-500-701-01	DIODE PGB1010603NR	
VD5805	6-500-701-01	DIODE PGB1010603NR	
VD5806	6-500-701-01	DIODE PGB1010603NR	
VD5807	6-500-701-01	DIODE PGB1010603NR	
VD5808	6-500-701-01	DIODE PGB1010603NR	
VD5809	6-500-701-01	DIODE PGB1010603NR	
VD5810	6-500-701-01	DIODE PGB1010603NR	
VD5811	6-500-701-01	DIODE PGB1010603NR	
VD5812	6-500-701-01	DIODE PGB1010603NR	
VD5813	6-500-701-01	DIODE PGB1010603NR	
VD5814	6-500-701-01	DIODE PGB1010603NR	
VD5815	6-500-701-01	DIODE PGB1010603NR	
VD5816	6-500-701-01	DIODE PGB1010603NR	
VD5817	6-500-701-01	DIODE PGB1010603NR	
VD5818	6-500-701-01	DIODE PGB1010603NR	
VD5819	6-500-701-01	DIODE PGB1010603NR	
VD5820	6-500-701-01	DIODE PGB1010603NR	
VD5821	6-500-701-01	DIODE PGB1010603NR	
VD5822	6-500-701-01	DIODE PGB1010603NR	

< CRYSTAL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
X4001	1-813-070-21	PIEZOELECTRIC OSCILLATOR	
X4009	1-813-784-21	VIBRATOR, CRYSTAL	
X5000	1-813-884-11	VIBRATOR, CRYSTAL 14.31818MHZ	
X5800	1-813-528-11	VIBRATOR, CRYSTAL 27MHZ	

*A-1184-346-A AE Board, Complete

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK	
C2008	1-127-573-11	CERAMIC CHIP 1UF	10%	16V
C2009	1-127-573-11	CERAMIC CHIP 1UF	10%	16V
C2013	1-127-715-91	CERAMIC CHIP 0.22UF	10%	16V
C2015	1-117-681-11	ELECT CHIP 100UF	20.00%	16V
C2016	1-127-573-11	CERAMIC CHIP 1UF	10%	16V
C2017	1-127-573-11	CERAMIC CHIP 1UF	10%	16V
C2018	1-127-715-91	CERAMIC CHIP 0.22UF	10%	16V
C2019	1-124-779-00	ELECT CHIP 10UF	20.00%	16V
C2020	1-127-715-91	CERAMIC CHIP 0.22UF	10%	16V
C2021	1-127-715-91	CERAMIC CHIP 0.22UF	10%	16V
C2023	1-117-681-11	ELECT CHIP 100UF	20.00%	16V
C2024	1-127-573-11	CERAMIC CHIP 1UF	10%	16V
C2025	1-127-573-11	CERAMIC CHIP 1UF	10%	16V
C2026	1-125-889-91	CERAMIC CHIP 2.2UF	10%	10V
C2027	1-162-908-11	CERAMIC CHIP 3PF	0.25PF	50V
C2028	1-127-715-91	CERAMIC CHIP 0.22UF	10%	16V
C2029	1-117-681-11	ELECT CHIP 100UF	20.00%	16V
C2033	1-125-889-91	CERAMIC CHIP 2.2UF	10%	10V
C2040	1-162-927-11	CERAMIC CHIP 100PF	5.00%	50V
C2041	1-162-927-11	CERAMIC CHIP 100PF	5.00%	50V
C2042	1-162-927-11	CERAMIC CHIP 100PF	5.00%	50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C2101	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2103	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C2105	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2111	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2114	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C2115	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2117	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C2119	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2120	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2122	1-127-760-11	CERAMIC CHIP 4.7UF	10% 6.3V
C2127	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C2502	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C2504	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V
C2505	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V
C2507	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C2508	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2509	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2510	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2511	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2512	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2513	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2514	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C2515	1-164-933-11	CERAMIC CHIP 220PF	10.00% 50V
C2517	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2518	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2519	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2520	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C2521	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2523	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2524	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2525	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2527	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2528	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2529	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2530	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C2533	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2534	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C2535	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2536	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2537	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2538	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2539	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C2540	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C2542	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2543	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2544	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C2545	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2546	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2547	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2548	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2549	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2550	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2551	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2552	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2553	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2554	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2555	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C2556	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2557	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2560	1-112-692-11	CERAMIC CHIP 1000PF	5% 50V
C2561	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C2562	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C2563	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C2564	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C2565	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C2573	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2575	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C2576	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C2583	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C2586	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C2587	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C2588	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2589	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2590	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2591	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2592	1-162-965-11	CERAMIC CHIP 0.0015UF	10.00% 50V
C2593	1-164-217-11	CERAMIC CHIP 150PF	5.00% 50V
C2594	1-164-217-11	CERAMIC CHIP 150PF	5.00% 50V
C2595	1-162-965-11	CERAMIC CHIP 0.0015UF	10.00% 50V
C2596	1-162-965-11	CERAMIC CHIP 0.0015UF	10.00% 50V
C2597	1-164-217-11	CERAMIC CHIP 150PF	5.00% 50V
C2598	1-164-217-11	CERAMIC CHIP 150PF	5.00% 50V
C2599	1-162-965-11	CERAMIC CHIP 0.0015UF	10.00% 50V
C2600	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2601	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2602	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2603	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2604	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2605	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2606	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2607	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2608	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2613	1-112-797-11	ELECT CHIP 470UF	20% 25V
C2614	1-112-800-11	ELECT CHIP 100UF	20% 35V
C2615	1-112-800-11	ELECT CHIP 100UF	20% 35V
C2616	1-112-800-11	ELECT CHIP 100UF	20% 35V
C2617	1-112-800-11	ELECT CHIP 100UF	20% 35V
C2618	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C2619	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C2620	1-100-912-11	CERAMIC CHIP 1UF	10% 25V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C2621	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C2623	1-165-818-91	CERAMIC CHIP 0.68UF	10% 25V
C2624	1-165-818-91	CERAMIC CHIP 0.68UF	10% 25V
C2625	1-165-818-91	CERAMIC CHIP 0.68UF	10% 25V
C2626	1-165-818-91	CERAMIC CHIP 0.68UF	10% 25V
C2627	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C2628	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C2647	1-100-591-91	CERAMIC CHIP 1UF	10% 25V
C2648	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2800	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C2801	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2802	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2803	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2804	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C2805	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C2809	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2810	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2811	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C2812	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2813	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C2814	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C2815	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2816	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2817	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2818	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2819	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C2826	1-127-931-21	ELECT CHIP 470UF	20% 16V
C9001	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9003	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9005	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9007	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9009	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9010	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9011	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9012	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9013	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9014	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9015	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9016	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9021	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9027	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C9028	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9029	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9030	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9031	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9032	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C9043	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C9044	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C9045	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C9046	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C9047	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9048	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9049	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C9050	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C9051	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C9052	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C9057	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C9058	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C9060	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9061	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9065	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C9066	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C9067	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C9068	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C9069	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C9070	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C9501	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C9502	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN2301	1-820-184-11	HEADER ASSEMBLY (PRINT PWB) 7P	
CN2302	1-820-185-11	HEADER ASSEMBLY (PRINT PWB) 8P	
CN2303	1-820-211-11	HEADER ASSEMBLY FOR PWB 5P	
CN2500	*1-819-461-11	HEADER ASSEMBLY FOR PWB 4P	
CN9001	1-820-192-11	HEADER ASSEMBLY (PRINT PWB)15P	
CN9501	1-819-390-51	FFC/FPC CONNECTOR (ZIF) 49P	
CN9502	1-820-186-11	HEADER ASSEMBLY (PRINT PWB) 9P	
CN9521	*1-780-408-11	TERMINAL	
CN9522	*1-780-408-11	TERMINAL	
CN9523	*1-780-408-11	TERMINAL	
CN9524	*1-780-408-11	TERMINAL	
CN9525	*1-780-408-11	TERMINAL	
CN9526	*1-780-408-11	TERMINAL	

< DIODE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
D2101	8-719-074-43	DIODE BAS316-115	
D2501	8-719-072-66	DIODE PDZ11B-115	
D2504	6-500-334-01	DIODE MC2836-T112-1	
D2505	8-719-074-43	DIODE BAS316-115	
D2507	8-719-074-43	DIODE BAS316-115	
D2509	6-501-123-01	DIODE RB160M-60TR	
D2510	6-501-123-01	DIODE RB160M-60TR	
D2511	6-501-123-01	DIODE RB160M-60TR	
D2512	6-501-123-01	DIODE RB160M-60TR	
D2513	8-719-074-43	DIODE BAS316-115	
D2514	6-501-123-01	DIODE RB160M-60TR	
D2515	6-501-123-01	DIODE RB160M-60TR	
D2516	6-501-123-01	DIODE RB160M-60TR	
D2517	6-501-123-01	DIODE RB160M-60TR	
D2804	8-719-074-43	DIODE BAS316-115	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
D2805	8-719-074-43	DIODE BAS316-115	
D9001	8-719-070-63	DIODE PDZ10B-115	
D9002	8-719-072-68	DIODE PDZ13B-115	
D9003	8-719-070-63	DIODE PDZ10B-115	
D9004	8-719-070-63	DIODE PDZ10B-115	
D9005	8-719-070-57	DIODE PDZ5.6B-115	
D9007	8-719-070-57	DIODE PDZ5.6B-115	
D9008	8-719-070-63	DIODE PDZ10B-115	
D9009	8-719-072-68	DIODE PDZ13B-115	
D9010	8-719-070-63	DIODE PDZ10B-115	
D9011	8-719-070-57	DIODE PDZ5.6B-115	
D9012	8-719-070-63	DIODE PDZ10B-115	
D9013	8-719-070-57	DIODE PDZ5.6B-115	
D9015	8-719-070-57	DIODE PDZ5.6B-115	
D9016	8-719-070-63	DIODE PDZ10B-115	
D9017	8-719-070-63	DIODE PDZ10B-115	
D9018	8-719-070-63	DIODE PDZ10B-115	
D9019	8-719-070-63	DIODE PDZ10B-115	
D9020	8-719-070-63	DIODE PDZ10B-115	
D9021	8-719-070-63	DIODE PDZ10B-115	
D9022	8-719-070-63	DIODE PDZ10B-115	
D9023	8-719-070-63	DIODE PDZ10B-115	
D9036	8-719-070-63	DIODE PDZ10B-115	
D9037	8-719-070-63	DIODE PDZ10B-115	
D9038	8-719-070-63	DIODE PDZ10B-115	
D9039	8-719-070-63	DIODE PDZ10B-115	

< FERRITE BEAD >

REF.NO.	PART.NO	DESCRIPTION	REMARK
FB2500	1-400-089-21	FERRITE 0UH	
FB2501	1-400-089-21	FERRITE 0UH	
FB2502	1-400-089-21	FERRITE 0UH	
FB2503	1-400-089-21	FERRITE 0UH	
FB2504	1-400-040-22	FERRITE 0UH	
FB2505	1-400-040-22	FERRITE 0UH	
FB2506	1-400-040-22	FERRITE 0UH	
FB2507	1-400-040-22	FERRITE 0UH	
FB2508	1-400-040-22	FERRITE 0UH	
FB9003	1-216-864-11	SHORT CHIP 0	

< FILTER >

REF.NO.	PART.NO	DESCRIPTION	REMARK
FL2001	1-234-558-21	FILTER, LOW PASS	

< IC >

REF.NO.	PART.NO	DESCRIPTION	REMARK
IC2001	8-752-089-33	IC CXA2069Q-TL	
IC2501	6-709-191-01	IC MSP4410K-QA-D6-501	
IC2503	8-759-278-58	IC NJM4558V-TE2	
IC2507	6-710-142-01	IC R2A15105SP-W00T	
IC2801	8-759-278-58	IC NJM4558V-TE2	
IC2802	8-759-359-49	IC NJM3414AV(TE2)	
IC2803	6-709-927-01	IC RT8H225C-TP-2	
IC2804	6-709-927-01	IC RT8H225C-TP-2	

< SOCKET >

REF.NO.	PART.NO	DESCRIPTION	REMARK
J9001	1-695-549-11	SOCKET, PIN 21P	
J9002	1-695-549-11	SOCKET, PIN 21P	
J9003	*1-819-358-11	PHONO JACK	
J9004	1-819-354-11	PHONO JACK 5P	

< COIL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
L2002	1-469-557-21	INDUCTOR 22UH	
L2003	1-469-555-21	INDUCTOR 10UH	
L2004	1-469-555-21	INDUCTOR 10UH	
L2101	1-469-555-21	INDUCTOR 10UH	
L2501	1-412-990-41	INDUCTOR 8.2UH	
L2502	1-400-794-21	FERRITE 0UH	
L2504	1-400-794-21	FERRITE 0UH	
L2505	1-469-555-21	INDUCTOR 10UH	
L2506	1-400-794-21	FERRITE 0UH	
L2508	1-481-083-11	INDUCTOR 22UH	
L2509	1-457-318-11	INDUCTOR 22UH	
L2510	1-457-318-11	INDUCTOR 22UH	
L2511	1-400-794-21	FERRITE 0UH	
L2512	1-400-794-21	FERRITE 0UH	
L2513	1-400-794-21	FERRITE 0UH	
L9001	1-469-555-21	INDUCTOR 10UH	
L9503	1-400-179-21	FERRITE 0UH	
L9504	1-400-179-21	FERRITE 0UH	
L9505	1-400-179-21	FERRITE 0UH	

< PROTECTOR MODULE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
PS2501 ⚠	1-576-958-21	FUSE 4A 24V	

< TRANSISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q2001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2002	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2003	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2004	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2101	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2102	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2104	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2108	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2109	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2500	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2501	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2505	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2507	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q2508	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q2510	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q2511	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q2512	6-551-364-01	TRANSISTOR DTC614TUT106	
Q2513	6-551-364-01	TRANSISTOR DTC614TUT106	
Q2514	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2515	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2516	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2517	8-729-600-22	TRANSISTOR 2SA1235-F	
Q2518	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q2519	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q2520	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q2521	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q2803	6-551-364-01	TRANSISTOR DTC614TUT106	
Q2804	6-551-364-01	TRANSISTOR DTC614TUT106	
Q2806	6-551-364-01	TRANSISTOR DTC614TUT106	
Q2807	6-551-364-01	TRANSISTOR DTC614TUT106	
Q2815	8-729-602-21	TRANSISTOR 2SC4154TP-1G	
Q9001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9002	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
		< RESISTOR >	
R2002	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2003	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2004	1-216-864-11	SHORT CHIP 0	
R2005	1-216-864-11	SHORT CHIP 0	
R2006	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2007	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2008	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2009	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2010	1-216-864-11	SHORT CHIP 0	
R2011	1-216-864-11	SHORT CHIP 0	
R2012	1-216-864-11	SHORT CHIP 0	
R2014	1-216-864-11	SHORT CHIP 0	
R2015	1-216-864-11	SHORT CHIP 0	
R2017	1-216-864-11	SHORT CHIP 0	
R2019	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2020	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2023	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2024	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2025	1-216-864-11	SHORT CHIP 0	
R2026	1-216-864-11	SHORT CHIP 0	
R2027	1-216-864-11	SHORT CHIP 0	
R2028	1-216-864-11	SHORT CHIP 0	
R2029	1-216-864-11	SHORT CHIP 0	
R2030	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2031	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2032	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
R2033	1-216-818-11	METAL CHIP 560 5% 1/10W	
R2034	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2035	1-216-809-11	METAL CHIP 100 5% 1/10W	

REF.NO.	PART.NO	DESCRIPTION	REMARK
R2036	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2037	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2038	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2039	1-216-864-11	SHORT CHIP 0	
R2101	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2102	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2103	1-216-864-11	SHORT CHIP 0	
R2104	1-218-855-11	METAL CHIP 2.2K 0.5% 1/10W	
R2109	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R2117	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R2121	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R2125	1-218-857-11	METAL CHIP 2.7K 0.5% 1/10W	
R2128	1-218-861-11	METAL CHIP 3.9K 0.5% 1/10W	
R2131	1-216-864-11	SHORT CHIP 0	
R2132	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R2134	1-216-864-11	SHORT CHIP 0	
R2137	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2139	1-216-815-11	METAL CHIP 330 5% 1/10W	
R2140	1-216-864-11	SHORT CHIP 0	
R2151	1-216-864-11	SHORT CHIP 0	
R2301	1-216-864-11	SHORT CHIP 0	
R2305	1-216-864-11	SHORT CHIP 0	
R2500	1-216-864-11	SHORT CHIP 0	
R2501	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2504	1-216-864-11	SHORT CHIP 0	
R2505	1-216-864-11	SHORT CHIP 0	
R2507	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2508	1-216-864-11	SHORT CHIP 0	
R2510	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2511	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R2512	1-218-990-81	SHORT CHIP 0	
R2514	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R2515	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R2517	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2518	1-400-499-21	FERRITE 0UH	
R2519	1-400-499-21	FERRITE 0UH	
R2520	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R2522	1-218-990-81	SHORT CHIP 0	
R2525	1-218-990-81	SHORT CHIP 0	
R2531	1-208-699-11	METAL CHIP 4.7K 0.5% 1/16W	
R2532	1-208-711-11	METAL CHIP 15K 0.5% 1/16W	
R2533	1-208-699-11	METAL CHIP 4.7K 0.5% 1/16W	
R2534	1-208-711-11	METAL CHIP 15K 0.5% 1/16W	
R2535	1-208-935-11	METAL CHIP 100K 0.5% 1/16W	
R2537	1-208-911-11	METAL CHIP 10K 0.5% 1/16W	
R2539	1-218-873-11	METAL CHIP 12K 0.5% 1/10W	
R2540	1-218-875-11	METAL CHIP 15K 0.5% 1/10W	
R2541	1-208-911-11	METAL CHIP 10K 0.5% 1/16W	
R2545	1-208-911-11	METAL CHIP 10K 0.5% 1/16W	
R2547	1-208-911-11	METAL CHIP 10K 0.5% 1/16W	

REF.NO.	PART.NO	DESCRIPTION	REMARK
R2549	1-208-927-11	METAL CHIP	47K 0.5% 1/16W
R2550	1-208-699-11	METAL CHIP	4.7K 0.5% 1/16W
R2554	1-216-841-11	METAL CHIP	47K 5% 1/10W
R2555	1-208-935-11	METAL CHIP	100K 0.5% 1/16W
R2556	1-208-699-11	METAL CHIP	4.7K 0.5% 1/16W
R2557	1-208-711-11	METAL CHIP	15K 0.5% 1/16W
R2559	1-208-711-11	METAL CHIP	15K 0.5% 1/16W
R2561	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R2562	1-218-869-11	METAL CHIP	8.2K 0.5% 1/10W
R2563	1-218-869-11	METAL CHIP	8.2K 0.5% 1/10W
R2564	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R2566	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R2567	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2587	1-216-857-11	METAL CHIP	1M 5% 1/10W
R2588	1-216-837-11	METAL CHIP	22K 5% 1/10W
R2593	1-216-841-11	METAL CHIP	47K 5% 1/10W
R2601	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2603	1-218-865-11	METAL CHIP	5.6K 0.5% 1/10W
R2611	1-216-841-11	METAL CHIP	47K 5% 1/10W
R2612	1-216-864-11	SHORT CHIP	0
R2613	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R2614	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W
R2615	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R2616	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W
R2617	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2620	1-216-864-11	SHORT CHIP	0
R2622	1-216-864-11	SHORT CHIP	0
R2624	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R2625	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R2626	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R2627	1-218-897-11	METAL CHIP	120K 0.5% 1/10W
R2628	1-218-885-11	METAL CHIP	39K 0.5% 1/10W
R2629	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R2630	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R2631	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R2632	1-218-897-11	METAL CHIP	120K 0.5% 1/10W
R2633	1-218-897-11	METAL CHIP	120K 0.5% 1/10W
R2636	1-216-296-11	SHORT CHIP	0
R2637	1-216-296-11	SHORT CHIP	0
R2642	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2643	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2644	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2645	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2646	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2647	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2652	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2653	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2654	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2655	1-216-864-11	SHORT CHIP	0
R2656	1-216-841-11	METAL CHIP	47K 5% 1/10W
R2658	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2662	1-216-864-11	SHORT CHIP	0
R2663	1-216-864-11	SHORT CHIP	0
R2664	1-216-864-11	SHORT CHIP	0
R2665	1-216-864-11	SHORT CHIP	0
R2801	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R2802	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R2803	1-218-873-11	METAL CHIP	12K 0.5% 1/10W
R2804	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R2805	1-216-841-11	METAL CHIP	47K 5% 1/10W
R2806	1-216-841-11	METAL CHIP	47K 5% 1/10W
R2814	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2815	1-218-873-11	METAL CHIP	12K 0.5% 1/10W
R2820	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R2821	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R2822	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R2823	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R2826	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2827	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2828	1-216-844-11	METAL CHIP	82K 5% 1/10W
R2829	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R2830	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R2831	1-216-844-11	METAL CHIP	82K 5% 1/10W
R2832	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R2833	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
R2834	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W
R2835	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W
R2837	1-216-857-11	METAL CHIP	1M 5% 1/10W
R2839	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2840	1-216-864-11	SHORT CHIP	0
R2841	1-216-864-11	SHORT CHIP	0
R2843	1-216-845-11	METAL CHIP	100K 5% 1/10W
R2844	1-216-813-11	METAL CHIP	220 5% 1/10W
R2846	1-216-813-11	METAL CHIP	220 5% 1/10W
R2851	1-216-864-11	SHORT CHIP	0
R2852	1-216-864-11	SHORT CHIP	0
R2855	1-216-864-11	SHORT CHIP	0
R2856	1-216-864-11	SHORT CHIP	0
R2858	1-216-857-11	METAL CHIP	1M 5% 1/10W
R2859	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2863	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2872	1-216-821-11	METAL CHIP	1K 5% 1/10W
R2873	1-216-849-11	METAL CHIP	220K 5% 1/10W
R2876	1-216-864-11	SHORT CHIP	0
R2879	1-216-864-11	SHORT CHIP	0
R2882	1-216-864-11	SHORT CHIP	0
R2883	1-216-864-11	SHORT CHIP	0
R2884	1-216-864-11	SHORT CHIP	0
R2885	1-216-864-11	SHORT CHIP	0
R9001	1-216-864-11	SHORT CHIP	0

REF.NO.	PART.NO	DESCRIPTION	REMARK
R9002	1-216-864-11	SHORT CHIP 0	
R9005	1-218-285-11	METAL CHIP 75 5% 1/10W	
R9006	1-218-285-11	METAL CHIP 75 5% 1/10W	
R9007	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9008	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9009	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9010	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9011	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9012	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9013	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9014	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9015	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9017	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9018	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9019	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9020	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9021	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9023	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9024	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9025	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9026	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9027	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9028	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9029	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9030	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9031	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9032	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9033	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9034	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9035	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9036	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9037	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9038	1-216-813-11	METAL CHIP 220 5% 1/10W	
R9039	1-216-864-11	SHORT CHIP 0	
R9040	1-216-813-11	METAL CHIP 220 5% 1/10W	
R9041	1-216-864-11	SHORT CHIP 0	
R9042	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9044	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9045	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9046	1-216-817-11	METAL CHIP 470 5% 1/10W	
R9047	1-216-813-11	METAL CHIP 220 5% 1/10W	
R9048	1-216-864-11	SHORT CHIP 0	
R9049	1-216-813-11	METAL CHIP 220 5% 1/10W	
R9050	1-216-864-11	SHORT CHIP 0	
R9051	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9053	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9054	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9055	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9056	1-216-817-11	METAL CHIP 470 5% 1/10W	
R9057	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9058	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9059	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9060	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
R9061	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
R9062	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9063	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9064	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9065	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9066	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9067	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9068	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9069	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9070	1-218-873-11	METAL CHIP 12K 0.5% 1/10W	
R9071	1-218-873-11	METAL CHIP 12K 0.5% 1/10W	
R9072	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9073	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9074	1-216-819-11	METAL CHIP 680 5% 1/10W	
R9075	1-216-819-11	METAL CHIP 680 5% 1/10W	
R9086	1-216-864-11	SHORT CHIP 0	
R9088	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R9089	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R9095	1-216-864-11	SHORT CHIP 0	
R9096	1-216-864-11	SHORT CHIP 0	
R9104	1-216-864-11	SHORT CHIP 0	
R9105	1-216-864-11	SHORT CHIP 0	
R9106	1-216-864-11	SHORT CHIP 0	
R9107	1-216-864-11	SHORT CHIP 0	
R9109	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9110	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9111	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9112	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9113	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9114	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9115	1-216-801-11	METAL CHIP 22 5% 1/10W	
R9116	1-216-801-11	METAL CHIP 22 5% 1/10W	
R9117	1-216-801-11	METAL CHIP 22 5% 1/10W	
R9122	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9123	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9124	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9125	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9126	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9127	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9128	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9129	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9130	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9131	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9135	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9136	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9137	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9138	1-218-831-11	METAL CHIP 220 0.5% 1/10W	

REF.NO.	PART.NO	DESCRIPTION	REMARK
R9139	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9140	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9141	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9142	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9143	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9144	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9145	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9146	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9147	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R9150	1-216-864-11	SHORT CHIP 0	
R9151	1-216-864-11	SHORT CHIP 0	
R9152	1-216-864-11	SHORT CHIP 0	
R9153	1-216-864-11	SHORT CHIP 0	
R9154	1-216-864-11	SHORT CHIP 0	
R9155	1-216-864-11	SHORT CHIP 0	
R9156	1-216-864-11	SHORT CHIP 0	
R9157	1-216-864-11	SHORT CHIP 0	
R9158	1-216-864-11	SHORT CHIP 0	
R9159	1-216-864-11	SHORT CHIP 0	
R9160	1-216-864-11	SHORT CHIP 0	
R9161	1-216-864-11	SHORT CHIP 0	
R9501	1-216-864-11	SHORT CHIP 0	
R9502	1-216-864-11	SHORT CHIP 0	
R9506	1-216-864-11	SHORT CHIP 0	
R9515	1-216-864-11	SHORT CHIP 0	
R9516	1-216-864-11	SHORT CHIP 0	
R9517	1-216-864-11	SHORT CHIP 0	
R9518	1-216-864-11	SHORT CHIP 0	
R9519	1-216-864-11	SHORT CHIP 0	
R9520	1-216-864-11	SHORT CHIP 0	
R9521	1-216-864-11	SHORT CHIP 0	
R9522	1-216-864-11	SHORT CHIP 0	
R9523	1-216-864-11	SHORT CHIP 0	
R9524	1-216-864-11	SHORT CHIP 0	
R9525	1-216-864-11	SHORT CHIP 0	
R9526	1-216-864-11	SHORT CHIP 0	
R9527	1-216-864-11	SHORT CHIP 0	
R9528	1-216-864-11	SHORT CHIP 0	
R9529	1-216-864-11	SHORT CHIP 0	
R9530	1-216-864-11	SHORT CHIP 0	
R9546	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9547	1-216-809-11	METAL CHIP 100 5% 1/10W	

< VARISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
VD9013	8-719-070-63	DIODE PDZ10B-115	
VD9014	8-719-070-63	DIODE PDZ10B-115	
VD9015	8-719-070-63	DIODE PDZ10B-115	
VD9016	8-719-070-63	DIODE PDZ10B-115	
VD9017	8-719-070-63	DIODE PDZ10B-115	
VD9018	8-719-070-63	DIODE PDZ10B-115	
VD9025	1-802-082-11	VARISTOR (SMD)	
VD9026	1-802-082-11	VARISTOR (SMD)	

< CRYSTAL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
X2500	1-795-612-11	VIBRATOR, CRYSTAL	

*A-1196-584-A H1E Board, Complete

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN1101	*1-819-445-11	HEADER ASSEMBLY FOR PWB 3P	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
R1101	1-218-848-11	METAL CHIP 1.1K 0.5% 1/10W	
R1102	1-218-841-11	METAL CHIP 560 0.5% 1/10W	
R1103	1-218-835-11	METAL CHIP 330 0.5% 1/10W	
R1104	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R1105	1-218-827-11	METAL CHIP 150 0.5% 1/10W	

< SWITCH >

REF.NO.	PART.NO	DESCRIPTION	REMARK
S1101	1-572-595-31	SWITCH, TACTIL (REFLOW TYPE)	
S1102	1-572-595-31	SWITCH, TACTIL (REFLOW TYPE)	
S1103	1-572-595-31	SWITCH, TACTIL (REFLOW TYPE)	
S1104	1-572-595-31	SWITCH, TACTIL (REFLOW TYPE)	
S1105	1-572-595-31	SWITCH, TACTIL (REFLOW TYPE)	
S1106	1-572-595-31	SWITCH, TACTIL (REFLOW TYPE)	
S1107	1-572-595-31	SWITCH, TACTIL (REFLOW TYPE)	

*A-1196-585-A H2E Board, Complete (KDL-40W2000)

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
C1201	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C1202	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C1203	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C1204	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C1205	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C1206	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C1207	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C1208	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C1209	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1210	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C1211	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1212	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C1215	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN1201	1-820-192-11	HEADER ASSEMBLY (PRINT PWB)15P	

< DIODE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
D1201	8-719-070-63	DIODE PDZ10B-115	
D1202	8-719-070-63	DIODE PDZ10B-115	
D1203	8-719-070-63	DIODE PDZ10B-115	
D1204	8-719-070-63	DIODE PDZ10B-115	
D1205	8-719-070-63	DIODE PDZ10B-115	
D1206	8-719-070-63	DIODE PDZ10B-115	

< SOCKET >

REF.NO.	PART.NO	DESCRIPTION	REMARK
J1201	1-780-368-11	S TERMINAL BLOCK (RIGHT ANGLE)	
J1202	1-815-325-11	JACK	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
R1202	1-216-864-11	SHORT CHIP 0	
R1205	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1206	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1207	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R1208	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R1209	1-218-285-11	METAL CHIP 75 5% 1/10W	
R1210	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R1211	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R1212	1-216-797-11	METAL CHIP 10 5% 1/10W	
R1213	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1214	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1215	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1216	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1217	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1218	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1219	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1220	1-216-797-11	METAL CHIP 10 5% 1/10W	
R1222	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R1223	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R1224	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R1225	1-218-831-11	METAL CHIP 220 0.5% 1/10W	

< VARISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
VD1201	1-802-082-11	VARISTOR (SMD)	
VD1202	1-802-082-11	VARISTOR (SMD)	
VD1203	1-802-082-11	VARISTOR (SMD)	

*A-1196-586-A H3E Board, Complete

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
C1302	1-162-960-11	CERAMIC CHIP 220PF 10.00% 50V	
C1303	1-119-667-11	CERAMIC CHIP 22UF 10V	
C1305	*1-165-908-11	CERAMIC CHIP 1UF 10% 10V	
C1307	1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
C1308	1-126-205-11	ELECT CHIP 47UF 20.00% 6.3V	

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN1301	1-820-187-11	HEADER ASSEMBLY (PRINT PWB)10P	

< DIODE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
D1302	8-719-085-26	DIODE CL-165HR/SYG-D-T	
D1305	8-719-085-26	DIODE CL-165HR/SYG-D-T	
D1308	6-500-817-01	DIODE (LED) SML-512UWT86	

< IC >

REF.NO.	PART.NO	DESCRIPTION	REMARK
IC1301	6-600-502-01	HIC GP1UE26RK0VF	
IC1302	6-600-447-01	IC TPS853(SONY)	

< TRANSISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q1301	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q1302	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q1303	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q1304	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q1305	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q1306	8-729-602-36	TRANSISTOR 2SA1602-F	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
R1301	1-216-815-11	METAL CHIP 330 5% 1/10W	
R1302	1-216-811-11	METAL CHIP 150 5% 1/10W	
R1303	1-216-815-11	METAL CHIP 330 5% 1/10W	
R1304	1-216-811-11	METAL CHIP 150 5% 1/10W	
R1305	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1306	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1307	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1309	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R1310	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1311	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1313	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R1314	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R1315	1-216-864-11	SHORT CHIP 0	
R1316	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

MISCELLANEOUS

REF.NO.	PART.NO	DESCRIPTION	REMARK
⚠	1-830-611-11	POWER-SUPPLY CORD (AEP)	
⚠	1-830-609-11	AC POWER-SUPPLY CORD SET (UK)	
	1-826-532-11	LOUDSPEAKER (5.5X15CM)	(KDL-40W2000)
	1-826-435-11	LOUDSPEAKER (13X7CM)	(KDL-46W2000)
	1-833-275-12	LEAD WIRE WITH CONNECTOR(LVDS)	(KDL-40W2000)
	1-833-276-12	LEAD WIRE WITH CONNECTOR(LVDS)	(KDL-46W2000)
⚠	1-819-729-14	INLET, AC (WITH NOISE FILTER)	
	1-802-184-11	LCD PANEL (40INCH FHD TFT)	(KDL-40W2000)
	1-802-183-11	LCD PANEL (46INCH FHD TFT)	(KDL-46W2000)

ACCESSORIES AND CONNECTORS

REF.NO.	PART.NO	DESCRIPTION	REMARK
	*1-910-025-32	CONNECTOR ASSY 6P (CN3904-CN-2301(1))	
	*1-910-025-33	CONNECTOR ASSY 7P (CN3401-CN2302(1))	
	*1-910-025-35	CONNECTOR ASSY 30P (CN3600-CN3901(1))	
	*1-910-025-38	CONNECTOR ASSY 1P (CN1201-PANEL(1))	(KDL-40W2000)
	*1-910-025-39	CONNECTOR ASSY (FFC) 20P (CN4700-CN3400(1))	
	*1-910-025-63	FFC CONNECTOR ASSY 49P (CN1001-CN9501(1))	
	*1-910-025-82	CONNECTOR ASSY 14P (CN6200-CN2303(1), CN2303-CN4002(0))	(KDL-40W2000)
	*1-910-025-85	CONNECTOR ASSY 15P (CN1201-CN9001(1))	(KDL-40W2000)
	*1-910-025-88	CONNECTOR ASSY 14P (CN6200-CN2303(1), CN2303-CN4002(0))	(KDL-46W2000)
	*1-910-025-90	CONNECTOR ASSY 10P (INVERTER L-CN6204(1))	(KDL-46W2000)
	*1-910-032-02	CONNECTOR ASSY 3P (CN1101-CN4007(1))	(KDL-40W2000)
	*1-910-032-10	CONNECTOR ASSY 9P (CN9502-CN7008(1))	
	*1-910-032-11	CONNECTOR ASSY 3P (CN1101-CN4007(1))	(KDL-46W2000)
	*1-910-032-15	CONNECTOR ASSY 1P (VESA ARM-CN6206(1))	
	*1-910-032-16	CONNECTOR ASSY 1P (VESA ARM-CN6207(1))	
	*1-910-032-17	CONNECTOR ASSY 1P (VESA ARM-CN6000(1))	
	*1-910-032-20	CONNECTOR ASSY 10P (CN1301-CN4008(1))	(KDL-40W2000)
	*1-910-032-21	CONNECTOR ASSY 12P (INVERTER-CN6202(1), INVERTER-CN6217(0), CN6217-CN7009(0))	(KDL-40W2000)
	*1-910-032-22	SP CONNECTOR ASSY 4P (CN2500-SP(1)	(KDL-40W2000)
	*1-910-032-23	CONNECTOR ASSY 10P (CN1301-CN4008(1))	
	*1-910-032-25	SP CONNECTOR ASSY (CN2500-SP(1))	
	*1-910-032-27	CONNECTOR ASSY 10P (CN4300-CN3903(1))	
	*1-910-032-28	CONNECTOR ASSY 12P (CN3802-CN4301(1))	
	*1-910-032-89	CONNECTOR ASSY 12P (INVERTER-CN6202(1), INVERTER-CN6217(0), CN6217-CN7009(0))	(KDL-46W2000)
	*1-910-032-95	CONNECTOR ASSY 15P (CN201-CN9001(1))	(KDL-46W2000)

REF.NO.	PART.NO	DESCRIPTION	REMARK
	*2-697-124-11	INSTRUCTION MANUAL (ENGLISH)	(KDL-40/46W2000UK)
	*2-697-124-21	INSTRUCTION MANUAL (ENGLISH/GERMAN/DUTCH/PORTUGUESE/NORWEGIAN)	(KDL-40/46W2000AEP)
	*2-697-124-31	INSTRUCTION MANUAL (FRENCH/ITALIAN/SPANISH/FINNISH)	(KDL-40/46W2000AEP)
	*2-697-124-41	INSTRUCTION MANUAL (SWEDISH/DANISH/GREEK/RUSSIAN/POLISH)	(KDL-40/46W2000AEP)

REMOTE COMMANDER

REF.NO.	PART.NO	DESCRIPTION	REMARK
	1-479-978-11	REMOTE COMMANDER (RM-ED008)	